

R. Vernon

SIMMONS COLLEGE

1963/64

BULLETIN

CATALOGUE

APRIL 1, 1963


Revised Plans for English 10 and 11

Since an increasing number of our freshmen are coming from secondary schools with advanced-standing courses in English and since diagnostic scores suggest that many freshmen are able to master their writing problems more quickly under intensive discipline, the English department in 1963-64 will experiment with a plan of teaching English 10 and 11 in separable semester units so that students who pass a midyear qualifying examination in writing will have the option of being exempted from the second semester of these two courses. These students will take a more advanced second-semester English course that is appropriate.

The revised courses will demand much more intensive writing and conference, particularly in the first semester of English 10. The splitting of English 10 and 11 into semester units means that the students' grades in these courses each semester will be terminal.

This experiment is similar to experiments now being made by English departments in many colleges and universities. The main purpose is to shorten, if possible, the period necessary to teach writing and to enable the better students to set their own pace.

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Catalogue



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SIMMONS COLLEGE 1963/64
BULLETIN CATALOGUE

All requests for application forms or for information
with regard to the College should be addressed to the

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BOSTON 15, MASSACHUSETTS

Directory

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LO ngwood 6-7400

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RESIDENCE; STUDENT WELFARE

Dean

ADMISSION

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SCHOLARSHIPS; FINANCIAL AID

Director of Student Financial Aid

COURSES; STUDENT RECORDS

Registrar

FEEs

Comptroller

BUILDING EQUIPMENT

Business Manager

PLACEMENT OF GRADUATES;
STUDENT EMPLOYMENT

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OFFICE OF DEVELOPMENT

Director of Development

ALUMNAE ASSOCIATION

Director of Alumnae Affairs

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The Fenway, Boston 15

LO ngwood 6-7400

Evenings and weekends

LO ngwood 6-9837

School of Social Work

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CO mmonwealth 6-0738

Residence Halls

Director of Students

255 Brookline Avenue, Boston 15

AS pinwall 7-5494

Manager of Residence

321 Brookline Avenue, Boston 15

AS pinwall 7-4432

INFIRMARY

94 Pilgrim Road, Boston 15

LO ngwood 6-5024

*For individual halls and houses, see Register of Officers and Students
or Boston Telephone Directory*

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1963	1964	1964	1965
JULY	JANUARY	JULY	JANUARY
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6	1 2 3 4	1 2 3 4	1 2
7 8 9 10 11 12 13	5 6 7 8 9 10 11	5 6 7 8 9 10 11	3 4 5 6 7 8 9
14 15 16 17 18 19 20	12 13 14 15 16 17 18	12 13 14 15 16 17 18	10 11 12 13 14 15 16
21 22 23 24 25 26 27	19 20 21 22 23 24 25	19 20 21 22 23 24 25	17 18 19 20 21 22 23
28 29 30 31	26 27 28 29 30 31	26 27 28 29 30 31	24 25 26 27 28 29 30
			31
AUGUST	FEBRUARY	AUGUST	FEBRUARY
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3	1	1	1 2 3 4 5 6
4 5 6 7 8 9 10	2 3 4 5 6 7 8	2 3 4 5 6 7 8	7 8 9 10 11 12 13
11 12 13 14 15 16 17	9 10 11 12 13 14 15	9 10 11 12 13 14 15	14 15 16 17 18 19 20
18 19 20 21 22 23 24	16 17 18 19 20 21 22	16 17 18 19 20 21 22	21 22 23 24 25 26 27
25 26 27 28 29 30 31	23 24 25 26 27 28 29	23 24 25 26 27 28 29	28
		30 31	
SEPTEMBER	MARCH	SEPTEMBER	MARCH
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	1 2 3 4 5 6 7	1 2 3 4 5	1 2 3 4 5 6
8 9 10 11 12 13 14	8 9 10 11 12 13 14	6 7 8 9 10 11 12	7 8 9 10 11 12 13
15 16 17 18 19 20 21	15 16 17 18 19 20 21	13 14 15 16 17 18 19	14 15 16 17 18 19 20
22 23 24 25 26 27 28	22 23 24 25 26 27 28	20 21 22 23 24 25 26	21 22 23 24 25 26 27
29 30	29 30 31	27 28 29 30	28 29 30 31
OCTOBER	APRIL	OCTOBER	APRIL
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5	1 2 3 4	1 2 3	1 2 3
6 7 8 9 10 11 12	5 6 7 8 9 10 11	4 5 6 7 8 9 10	4 5 6 7 8 9 10
13 14 15 16 17 18 19	12 13 14 15 16 17 18	11 12 13 14 15 16 17	11 12 13 14 15 16 17
20 21 22 23 24 25 26	19 20 21 22 23 24 25	18 19 20 21 22 23 24	18 19 20 21 22 23 24
27 28 29 30 31	26 27 28 29 30	25 26 27 28 29 30 31	25 26 27 28 29 30
NOVEMBER	MAY	NOVEMBER	MAY
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2	1 2	1 2 3 4 5 6 7	1
3 4 5 6 7 8 9	3 4 5 6 7 8 9	8 9 10 11 12 13 14	2 3 4 5 6 7 8
10 11 12 13 14 15 16	10 11 12 13 14 15 16	15 16 17 18 19 20 21	9 10 11 12 13 14 15
17 18 19 20 21 22 23	17 18 19 20 21 22 23	22 23 24 25 26 27 28	16 17 18 19 20 21 22
24 25 26 27 28 29 30	24 25 26 27 28 29 30	29 30	23 24 25 26 27 28 29
	31		30 31
DECEMBER	JUNE	DECEMBER	JUNE
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	1 2 3 4 5 6	1 2 3 4 5	1 2 3 4 5
8 9 10 11 12 13 14	7 8 9 10 11 12 13	6 7 8 9 10 11 12	6 7 8 9 10 11 12
15 16 17 18 19 20 21	14 15 16 17 18 19 20	13 14 15 16 17 18 19	13 14 15 16 17 18 19
22 23 24 25 26 27 28	21 22 23 24 25 26 27	20 21 22 23 24 25 26	20 21 22 23 24 25 26
29 30 31	28 29 30	27 28 29 30 31	27 28 29 30

Calendar 1963—1964

This Calendar defines the College year for regular full-time undergraduate students. Calendars for special programs are stated elsewhere.*

SEPTEMBER 16	<i>Freshman Orientation begins</i>
SEPTEMBER 18-20	<i>Registration</i>
SEPTEMBER 23	<i>College year begins</i>
OCTOBER 12	<i>Columbus Day holiday</i>
NOVEMBER 11	<i>Veterans Day holiday</i>
NOVEMBER 27	<i>College closes at noon</i>

Thanksgiving Recess

DECEMBER 2	<i>College opens</i>
DECEMBER 20	<i>College closes</i>

Christmas Vacation

JANUARY 6	<i>College opens</i>
JANUARY 17	<i>Classes end</i>
JANUARY 20	<i>Examination period begins</i>
JANUARY 22	<i>Commencement Day for Physical Therapy Students</i>
JANUARY 31	<i>Examination period ends</i>
FEBRUARY 3	<i>Second half-year begins</i>
FEBRUARY 22	<i>Washington's Birthday holiday</i>
MARCH 20	<i>College closes</i>

Spring Vacation

MARCH 30	<i>College opens</i>
APRIL 20	<i>Patriots' Day holiday</i>
MAY 22	<i>Classes end</i>
MAY 25	<i>Examination period begins</i>
MAY 30	<i>Memorial Day holiday</i>
JUNE 4	<i>Examination period ends</i>
JUNE 7	<i>Commencement Day</i>

* *Physical Therapy, fourth-year and graduate program, see pages 81 and 87.*
Medical Technology, fourth-year and graduate program, see pages 82 and 87.
After-hour and Saturday classes, see appropriate announcement.

THE CORPORATION, 1962-1963

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CAROLINE FIELD CHAPMAN, S.B. *Assistant Clerk*

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MRS. CHESTER H. CLEMENS
MR. RALPH T. ESTERQUEST
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MR. RICHARD PRESTON
MR. MURRAY RAPPAPORT
MR. VINCENT C. ZIEGLER

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The following is the list of officers of instruction holding appointments for the year 1962-63. It also includes new titles and the names of new officers for the year 1963-64 insofar as they have been determined at the time of publication.

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B.S. IN L.S.

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Professor of Foods and Home Management, Emeritus

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Professor of Economics, Emeritus

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Associate Professor of German, Emeritus

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CAROLINE MAUDE HOLT, PH.D.

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Associate Professor of Secretarial Studies, Emeritus

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Assistant Professor of English

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Instructor in English

* On sabbatical leave, 1962-63.

† On leave of absence, 1963-64.

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SUPERIEURES
Instructor in French

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Lecturer on German

MARIE SMITH WELLS, A.M.
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D'ETUDES SUPERIEURES
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Associate Professor of History

†HENRY JAMES HALKO, PH.D.
Assistant Professor of History

* On sabbatical leave, second half-year 1962-63.

† On sabbatical leave, first half-year 1963-64.

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Lecturer on Psychology

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Assistant Professor of Biology

✓ → EDWARD WALTER SCHEER, JR., A.M.

Instructor in Biology

→ ROSE JOSEPHINE KARWOSKI, R.N.,
S.M.N.

Instructor in Biology

✓ → MARILYN HOFFMAN STAVROS, S.B.

Instructor in Biology

ROBERT ALVAN MACCREADY, M.D.

*Lecturer on Pathogenic Bacteriology and
Immunology*

JOAN BUSH DANIELS, S.B.

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Special Instructor in Biology

BARBARA SUMMERS HENDEY

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→ PHYLLIS AMBLER BRAUNER, PH.D.

Associate Professor of Chemistry

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SIMMONS COLLEGE

Simmons College in Boston is a non-sectarian women's college that combines liberal with professional education. The will of its founder, John Simmons, directed that the College should give instruction in "art, science, and industry best calculated to enable the scholars to acquire an independent livelihood." In pursuance of that trust the Corporation was organized in 1899, and the College was opened for instruction in 1902. Thus Simmons became one of the first colleges for young women in this country to recognize the value of combining vocational instruction with a liberal and cultural education.

The strength of this program has won widespread recognition. The College is a member of the New England Association of Colleges and Secondary Schools and was for many years on the approved list of the Association of American Universities until that organization discontinued accrediting practice.

Some 1,700 students are enrolled in the regular undergraduate and graduate programs. Among these students are more than 300 graduates of other colleges. About 300 students attend the summer session, making a total of some 2,000 registered for courses at Simmons. Nearly every state and numerous foreign countries are represented. More than seventy-five per cent of the undergraduates live in the College residences; the others commute from the greater Boston area.

The Plan of Education

Educationally, Simmons College is organized into a general first year; and beyond that into nine schools, each with its own director, each with its own technical and professional objectives. These schools are Publication, Library Science, Social Science, Education, Social Work, Business Administration, Science, Home Economics, and Nursing. They provide preparation for most of the vocational areas in which there is a place for college women.

In combining a liberal education with that which has a definite vocational purpose, the programs vary in their pattern; but in general a student devotes about three-quarters of her time to the liberal arts and sciences, the remainder to subjects of a professional nature.

Each school in its own way and in terms of the demands of its own professional field strives to carry out the basic philosophy of the College:

- (1) that vocational education on the college level to be strong must rest on a firm academic foundation,
- (2) that there must be constant emphasis on the broad principles which underlie vocational competence in any field,
- (3) that training in skills should be limited to those that are essential to success in initial employment.

Students do not make their *definite* choice of professional schools until the end of their first year. This year is devoted to general education, with the program of each student planned in relation to her previous education and her probable vocational interest.

The undergraduate programs lead to the degree of Bachelor of Science, except that students completing the pregraduate program in the School of Education are awarded the degree of Bachelor of Arts. Most of the schools offer professional graduate programs of one or two years for graduates of accredited colleges. These programs lead either to the diploma or to the master's degree.

GUIDANCE

An integration of guidance services helps each new student to make the transition from high school and home environment to the maturity, independence, and self-reliance of a Simmons student. Her faculty adviser and other instructors, the Dean and staff members of the Dean's Office, the Health Office (including the Consulting Psychiatrist, if needed), as well as the Director of Students and the residence staff members, assist the student in understanding herself, recognizing her abilities, choosing her goals, and taking her place in the realistic learning situation of group living.

With the background of her first-year guidance, the student is able to choose the professional opportunity which best fits her personality and abilities. Beyond the first year a student turns to the director of her professional school, as well as to the Dean and the Assistant to the Dean.

PLACEMENT

The Placement Office is ready at all times to serve Simmons undergraduates, seniors, graduate students, and alumnae through counseling and placement assistance. They may register for part-time employment during the college year, for full-time summer work, or for permanent positions at beginning or advanced levels.

It is the policy of the College to advise a prospective student who is planning to earn part of the cost of her education to enter only if she can meet the expenses of the first year at least. When she has demonstrated her ability to carry the work of the College, she may assume the added responsibility of a few hours per week toward partial self-maintenance.

All students seeking work opportunities should register their qualifications and needs in the Placement Office. Students in good academic standing may sometimes earn money during the college year by tutoring, assisting laboratory instructors, doing clerical work, or helping in the cafeteria, dining hall,

or library at the College, or other institutions in the immediate vicinity. The Placement Office is glad to assist also in securing such part-time work as the city affords (sales, office work, recreation in community centers, baby-sitting, and so forth), as well as in finding full-time summer employment.

Qualified students may be granted permission to earn board and room by assisting in some capacity in private families. Such arrangements must be made through the Placement Office. Permission is granted only to those whose health and academic standing have been approved by the College Physician and the Dean.

Although graduation is of course no guarantee of recommendation, the College makes every effort to assist its graduates in finding satisfying employment. The directors of the schools, the faculty, and former employers provide recommendations for the use of the Placement Office in suggesting candidates for permanent positions throughout the United States and overseas.

Everyone interested in employment is invited to make use of the services of the Placement Office.

CONDITIONS OF ADMISSION

The First-Year Class

Simmons welcomes applications from young women whose abilities and interests promise success in college work. While most candidates have a background of study in English, foreign language, mathematics, social studies, and science, Simmons requires no specific subjects or units of study. A college preparatory course in secondary school is recommended, but Simmons occasionally accepts outstanding candidates whose secondary education has varied from the usual college-preparatory pattern. Whatever the applicant's background, her school record should be of such quality as to justify recommendation to college. Applicants should study at least four academic subjects during each year of secondary school. The Director of Admission is glad to correspond with applicants regarding their preparation.

The Committee on Admission gives careful consideration to all available information about each candidate and accepts those who seem best qualified for the work at Simmons College. Since it is necessary to limit the size of the freshman class to between three hundred and three hundred and fifty students, not every candidate who is qualified for admission can be accepted. Most candidates receive decisions in April.

A few well-qualified applicants are accepted early in the senior year, on the Simmons early-decision plan. If early consideration is requested before November first, early-decision candidates must agree to withdraw applications to all other colleges when the notice of acceptance is received from Simmons College. A student who is accepted early is expected to present a final record in June showing continued satisfactory work.

Certain credentials are required of all applicants for admission to the first-year class. These are as follows:

1. *Application Form.* Each applicant fills out an application form furnished by the Director of Admission and returns it with the required application fee of fifteen dollars. The application and the fee may be transferred to apply to the succeeding year if notification is received at the Admission Office not later than October first of the year for which the candidate originally filed her application; otherwise the application is automatically withdrawn.

2. *School Record.* The principal of the candidate's secondary school submits a complete transcript of the applicant's record either on the form sent directly from the College or on his own cumulative record form. The record covers grades nine through twelve, and includes the final mark in each subject taken each year, rank in class, results of objective tests of aptitude and achievement where these are available, a statement of graduation, and all data on the school's permanent record which will assist the College in its judgment of the applicant's fitness. A transcript of record from each school attended is required when the candidate has studied at more than one school.

Simmons participates in the Advanced Placement Program of the College Entrance Examination Board. Depending upon the results of Advanced Placement tests, credit may in some cases be given for Advanced Placement courses completed in secondary school.

3. *College Board Tests.* Every applicant for admission is required to take the Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board. No specific preparation is necessary. Information concerning the tests may be obtained without charge by writing to the College Entrance Examination Board, Post Office Box 592, Princeton, New Jersey; or Post Office Box 27896, Los Angeles 27, California. A copy of the bulletin of information is routinely sent to every candidate requesting an application blank. It contains information regarding applications, fees, and reports; advice to candidates; descriptions of the tests; sample questions; and lists of examination centers.

The dates for the College Board Tests, with closing dates for the receipt of applications for the tests at the College Board office, are as follows:

<i>Tests to Be Given</i>	<i>Date of Tests</i>	<i>Closing Date</i>
SAT, AT	December 7, 1963	November 9, 1963
SAT, AT	January 11, 1964	December 14, 1963
SAT, AT	March 7, 1964	February 8, 1964
SAT, AT	May 2, 1964	April 4, 1964
SAT, AT	July 8, 1964	June 10, 1964

The Scholastic Aptitude Test and the Achievement Tests may be taken in May of the junior year, or in the senior year, preferably in December or January. Early-decision candidates must take the Scholastic Aptitude Test and the Achievement Tests in the junior year.

Three Achievement Tests must be taken: one in English Composition; one in a foreign language or in social studies; and one in mathematics or in a science.

It is the responsibility of the candidate to obtain an application form from the College Board in order to register in advance for the tests. When requesting the application the candidate must state the date on which she wishes to take the tests. The candidate is urged to send the application for the tests and the required fees to the College Board as early as possible, preferably several weeks before the date of the examinations.

4. *Principal's Recommendation.* The principal of the candidate's secondary school furnishes a confidential report on the personal qualifications of the ap-

plicant and her general fitness to pursue the course of study at Simmons College.

5. *Health Certificate.* Each applicant is required to submit a complete report of health filled out by the student and her physician on a form provided by the College, usually after acceptance. Good health is essential in pursuing a college program and formal admission to the College is contingent upon medical approval of the health certificate.

6. *Personal Interview.* Each applicant should arrange for a personal interview with the Director of Admission. Interviews with alumnae or other qualified persons can usually be arranged for candidates living at a distance.

Interviews may be arranged Monday through Friday from nine to four; Saturday from nine to twelve, October to May. Appointments must be made in advance.

Advanced Standing

Applicants who have satisfactorily completed one year or more in approved colleges may be admitted to advanced standing in any of the schools of the College.* Registered nurses who have been graduated from state-approved diploma schools of nursing may be admitted to the School of Nursing with advanced standing. Each applicant must be able to present a strong record and to convince the College of her fitness for the professional work of the program she wishes to enter. The number of transfer students accepted is governed by the limited enrollment in certain of the professional schools and by the capacity of the residence halls.

A student whose marks are sufficiently high may be allowed credit for academic subjects which are substantially equal to those offered in the program selected at Simmons College. Credit for technical work may not be promised in advance. The amount of credit that can be allowed depends upon the program selected at Simmons and the courses already completed. It is seldom feasible for a student to transfer to the senior class after three years at another college. Applications are accepted for September entrance only. The Committee on Admission considers carefully all available information about each applicant before reaching a decision upon her eligibility.

Certain credentials are required of all applicants for advanced standing. These are as follows:

1. *Application Form.* Each applicant fills out an application form furnished by the Director of Admission and returns it with the required application fee of fifteen dollars. The application and the fee may be transferred to apply to the succeeding year if notification is received at the Admission Office not later than October first of the year for which the candidate originally filed her application; otherwise the application is automatically withdrawn.

2. *School Record.* The principal of the secondary school last attended submits a complete transcript of the applicant's record either on the form sent directly from the College or on his own cumulative record form.

* Exception: the School of Education. See page 59.

Memo to Students

Are you having a hard time deciding among several professions which appeal to you? Or have you, perhaps, decided on one special profession without knowing very much about its details?

A little analysis of the Simmons catalogue has helped many girls, both those who are just entering and those who are already in college, to reach a decision as to a profession. Try it for yourself and see if it doesn't help.

In its nine schools (of which all but Library Science and Social Work are open to undergraduates) Simmons offers preparation for most of the professions which women find interesting. For all these schools the guidance program and the general education courses of the first year (listed on pages 43 to 45) are basic.

After glancing at this section turn to the first school listed, Publication. You will note that in the second year you have an English literature elective. Turn to the course descriptions (in this case, page 98) and read the outlines of the courses open to sophomores; then select the one you would like to take. Go on to history, economics, and the other courses listed and make your selections. Browse through the course descriptions and find eight semester hours of electives you think you would like to take in your second year.

Then if you will go through the junior and senior programs in the same way you will find that you have learned a surprising amount about the type of knowledge you will need—to do work in editing for example.

If you follow this procedure for each of the schools of Simmons College, you will discover some that do not appeal to you and some that do; with a little more study you can narrow the choice down a

bit further. Then, if you like, ask your librarian or your guidance counselor to suggest some pamphlets and books on your professional interests. Possibly a visit or two could also be arranged, such as one to a nearby hospital if physical therapy or nursing appeals to you.

If you are to enjoy a profession, it seems logical that the subjects needed to prepare for that profession should appeal to you. The brief analysis we have suggested is an easy way to discover the background of study for many different fields and to select those which interest you.

Of course you should keep in mind that at Simmons you do not make a definite choice of school or program until you reach the end of your first college year. This suggestion for studying the professional preparation as well as the general courses recommended for the upperclass years may help you to reach a more logical decision as to the kind of education you want.

If there is anything you do not understand about the catalogue, please feel free to write us and we shall try to help you.

3. *Scholastic Aptitude Test.* The Scholastic Aptitude Test of the College Entrance Examination Board is a requirement for admission. It is the responsibility of the candidate to obtain an application form from the College Board in order to register in advance for the test. (See page 39.) If the test has already been taken, the candidate should request the College Board (Post Office Box 592, Princeton, New Jersey; or Post Office Box 27896, Los Angeles 27, California) to send the results to the College. If Achievement Tests were taken, those results also should be sent to the College.

The Director of Admission is glad to correspond with candidates concerning the submission of objective tests other than the College Board if such tests were taken at another college.

4. *College Record.* The College expects each candidate to present an official transcript of her college record, together with the results of any objective tests of aptitude and achievement which may have been taken at that college. When final marks are available, the applicant must file a supplementary transcript with the usual statement of honorable dismissal.

5. *School of Nursing Record.* A registered nurse is required to have an official transcript of her school of nursing record sent to the College by the director of the school of nursing.

6. *Dean's Recommendation.* The College asks the Dean of the institution last attended to furnish a confidential report on the personal qualifications of the applicant for the program selected at Simmons College.

7. *Health Certificate.* Each applicant is required to submit a complete report of health filled out by the student and her physician on a form provided by the College, usually after acceptance. Good health is essential in pursuing a college program and formal admission to the College is contingent upon medical approval of the health certificate.

8. *Personal Interview.* Each applicant should arrange for a personal interview with the Director of Admission.* Interviews with alumnae or other qualified persons can usually be arranged for candidates living at a distance.

Graduate Division

For properly qualified students who hold a baccalaureate degree from a college whose work is accepted at Simmons College, two kinds of programs are available: those leading to the degree of Master of Science, and those leading to the diploma. Programs leading to the master's degree are offered in the Schools of Library Science, Social Work, Science, and Home Economics. In most schools also one-year programs leading to the diploma are available to properly qualified graduates of an accredited college.

The programs in library science and social work are open to men who meet the admission requirements.

Applicants for admission to the graduate programs in library science, social work, and home economics should apply to the director of the school concerned. Those interested in other graduate programs should communicate with the Registrar of the College.

* Admission office hours on page 40.

Summer Courses

Summer courses are offered by the Schools of Library Science and Home Economics, as stated in the sections devoted to these schools. In the summer of 1963 Institutes for high school teachers of chemistry, science, mathematics, and physics, will be offered in the School of Education under grants from the National Science Foundation.

PROGRAMS OF STUDY

The First-Year Class

The program for the first-year class is one of the distinctive features of the educational plan at Simmons College. In the freshman year the program of each student is planned with four purposes in mind:

1. To assist her in her transition from school to college,
2. To enable her to broaden and deepen her intellectual interests,
3. To guide her toward a wise selection of her professional objective, and
4. To help her plan for the work of her subsequent years in the College.

In her application for admission to the first-year class, the student indicates her *probable* choice of a professional school of the College. This choice is regarded as tentative until confirmed or changed at the close of the first year. By that time the student has learned more about the various professional opportunities—the talents and abilities they require, the opportunities for advancement they offer, and the nature of the preparation involved. The flexibility in the program permits the student whose aims are well defined to carry forward her plans. It helps the student whose objectives are vaguely formed to gain understanding and to plan intelligently.

Each first-year student has a member of the faculty as her adviser. He helps her in her selection of first-year courses and in her choice of a professional objective. In addition, each first-year student is enrolled in a course, *Introduction to the College*, concerned with her adjustment to college and preparation for further academic and professional training.

During the period of orientation before classes begin in September, the first-year student takes certain placement and aptitude tests. These tests indicate for the individual student which course is most suitable in English, modern language, or science. The secondary school record and these tests aid the faculty adviser in guiding the student in her selection of first-year courses. In making this selection the student and her adviser have in mind the probable professional school for the three upper years and also the necessity of furthering the student's general education.

A normal program for a first-year student consists of courses totaling 32 semester hours for the year in addition to the course *Introduction to the College* mentioned above, and physical education. These courses are selected from the following, bearing in mind that the distribution requirements for graduation (see page 169) are to be satisfied at least in part during the first year:

I. *Courses offered primarily for freshmen*

English 10 or 11 (required)
 French, German, Spanish (as determined by placement test)
 Russian
 Latin
 Social Studies 10
 Biology, Chemistry, Physics, Mathematics
 Science survey courses

II. *Upperclass courses open regularly to first-year students*

Art 20	History 38
Business 21	Music 20
Economics 20	Philosophy 20
History 21, 22	Psychology 20
History 24	Sociology 20

At least 24 semester hours in courses elected in the first year must be chosen from Group I.

It should be understood that the so-called "general first year" is an essential part of the Simmons educational program, and that no undergraduate makes a *definite* choice of a professional school until the end of her freshman year. Any first-year student who has satisfactorily completed a full-time program is eligible to enter any undergraduate school of the College. Enrollment in certain areas of specialization within a school may be limited, however, by the facilities available; for example, the programs in physical therapy and in orthoptics in the School of Science. Furthermore, in a few areas of specialization, a student who has not taken the suggested first-year courses may find that she cannot follow the usual program in that area unless she is willing to do extra work, which may include summer courses.

An orientation booklet is sent to each first-year student during the summer. It includes detailed suggestions on specific courses and advice concerning the selection of all first-year programs. In general, students who have indicated a probable choice of the School of Publication, the School of Business Administration, or the programs in English and in history and social studies in the School of Education usually select:

English
 French, German, Spanish, Russian, or Latin
 Social Studies 10 or an upperclass course in social studies
 Biology, Chemistry, Mathematics, Physics, or Science (survey courses)

Students who expect to choose the School of Social Science should consider electing mathematics or a laboratory science course. Those who anticipate specialization in French or Spanish in the School of Education should elect the

appropriate language. Those with an interest in the technical writing and publishing program of the School of Publication should include mathematics and/or a basic science. Students who have indicated a probable choice of the Schools of Science, Home Economics, or Nursing find the selection of courses from the science group especially important. Those who plan to enter the School of Science or to follow a specialization in science in the School of Education usually elect two subjects from among biology, chemistry, mathematics, and physics; potential Home Economics and Nursing students should select chemistry and biology.

The science electives are not compulsory, but the student who has not taken them in her first year will be restricted in her later choice of electives if she selects certain areas of specialization, and may find it necessary to do extra work either before or after graduation in order to meet the standards of certain professional accrediting organizations.

As a result of her experiences in the first-year class, the student is ready to enter the school of her choice. In her last three years, the student is governed by the requirements of the professional program which she selects and is guided by the director of the school in which she is enrolled. She may continue to consult her first-year faculty adviser and the Dean at any time.

School of Publication

The programs of the School of Publication combine a maximum of general education with the minimum of technical training necessary to enable graduates to succeed in the publishing and editing of books and magazines, in journalism and publicity, in advertising, in technical writing and publishing, and in graphic and publishing arts. A sound liberal education provides the foundation for this work; to this is added instruction in the specific skills required for employment in these fields.

I. FOUR-YEAR PROGRAMS

The four-year programs lead to the degree of Bachelor of Science.

During their four years students spend the equivalent of more than three years in courses in literature, foreign languages, art, and music; in psychology and philosophy; in history, economics, sociology, and the other social sciences; and in the natural sciences. In the third and fourth years the student takes the technical courses that are required of all students in the School and those which she selects to complete her professional preparation.

By combining the courses offered in the School of Publication with those offered by the other schools of the College, a student can arrange an individualized program to prepare her for employment in a specialized field. The programs of the School are flexible and, if a student's individual interests are formed and expressed early enough in her college years, an individual program can be arranged that will satisfy her interests in terms of preparation for future employment.

During the fourth year all students spend two weeks in field study. This study is arranged by the School, which tries to place each student in the kind of office or organization in which she aspires to work after graduation. Students work in the editorial offices of book and magazine publishers, on the staffs of house organs of various types, in public relations offices, in the news and editorial departments of newspapers, in the copy and production departments of advertising agencies, and in radio stations. Students also receive practical experience in their work on *The Simmons Review*, the alumnae-student magazine, the publication of which is a laboratory project of the School.

Programs can be arranged for students who have satisfactorily completed one or more years at other accredited colleges, provided their study has included preliminary courses which will articulate with the requirements for the degree at Simmons College. It is recommended, however, that students transfer from other colleges not later than the end of the second year.

SECOND YEAR	English literature elective (8 sem. hrs.) Social science, Philosophy, or Psychology (8 sem. hrs.) Language, Art, and Music (8 sem. hrs.) Electives (8 sem. hrs.)
THIRD YEAR	Copy and Proof (Pub. 40-2) Introduction to the Graphic Arts (Pub. 41) Graphic Arts Laboratory (Pub. 42-1 or 2) Journalism (Pub. 30-1) Electives from the following group (at least 4 sem. hrs.): Article Writing (Pub. 31-2) Writing on Assignment (Pub. 32-2) Advanced Composition I (Pub. 33-2) Advertising Copy Writing (Pub. 36-2) Magazine and Industrial Editing (Pub. 37-2) Children's Books and Periodicals (Pub. 38-1) Electives (14 or 16 sem. hrs.)

It is recommended that students without such training elect in the junior year a course in typewriting or a course in typewriting and shorthand. The recommended courses are *Business 35* or *Business 31*.

FOURTH YEAR	Editing and Publishing Techniques (Pub. 43) Editing and Publishing Project (Pub. 44-2) Graphic Design (Pub. 45-1) Publishing Laboratory (Pub. 46-1 or 2) Electives from the following group (6 or 8 sem. hrs.): Article Writing (Pub. 31-2) Writing on Assignment (Pub. 32-2) Advanced Composition I (Pub. 33-2) Advanced Composition II (Pub. 34-1 or 2) Publicity (Pub. 35-1) Advertising Copy Writing (Pub. 36-2) Magazine and Industrial Editing (Pub. 37-2) Children's Books and Periodicals (Pub. 38-1) Electives (12 sem. hrs.)
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Program in Technical Writing and Publishing

In recent years a new professional job classification has appeared in industry and research—the technical writer. The increased complexity of modern electronic devices, for instance, has created the need for the person who can write the manuals which describe the nature, the operation, and the maintenance of these devices. A similar need exists for the person who can describe the processes and techniques employed in chemical engineering. The need is for the person with a solid grounding in science and technology, skill in writing, and a knowledge of the techniques of publication.

The program in Technical Writing and Publishing has been planned with the help of practicing technical writers. It is offered for those students whose interests and aptitudes parallel the interests and aptitudes of the technical

writer: a sound interest in science and an interest in writing and publishing. The program includes a four-year study of science plus the basic required courses in the School of Publication. The program described below is intended to prepare a student for employment in the electric-electronic field. Similar programs are available for students who wish to prepare for the chemical and biological fields.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND YEAR	General Physics (Phys. 11) English literature elective (4 sem. hrs.) Personal-Use Typewriting (Bus. 21-2) Analytic Geometry and Calculus II and III (Math. 24-1, 25-2) Electives (10 or 12 sem. hrs.)
THIRD YEAR	General Chemistry (Chem. 11 <i>or</i> 12) Electricity and Magnetism (Phys. 21-2) <i>or</i> A.C. Circuits and Electronics I and II (Phys. 36-1, 37-2)* Journalism (Pub. 30-1) Copy and Proof (Pub. 40-2) Introduction to the Graphic Arts (Pub. 41) Graphic Arts Laboratory (Pub. 42-1 <i>or</i> 2) Electives (4 <i>or</i> 8 sem. hrs.)
FOURTH YEAR	Electricity and Magnetism (Phys. 21-2) <i>or</i> A. C. Circuits and Electronics I and II (Phys. 36-1, 37-2)* Editing and Publishing Techniques (Pub. 43) Editing and Publishing Project (Pub. 44-2) Graphic Design (Pub. 45-1) Publishing Laboratory (Pub. 46-1 <i>or</i> 2) Article Writing (Pub. 31-2) Electives (8 <i>or</i> 12 sem. hrs.)

Program in Graphic and Publishing Arts

Through an affiliation with the Boston Museum School, a department of the Boston Museum of Fine Arts, the School of Publication offers for a limited number of students a four-year program in the graphic and publishing arts, leading to the degree of Bachelor of Science.

This joint program is intended for students with artistic abilities and interests who wish to combine general education with art-school training to prepare themselves for art work in the field of publishing and advertising. The four-year program consists of the courses in general education required of all students in the School of Publication, and courses in the techniques of the repro-

* Offered in alternate years.

duction of printed material, taken at Simmons; and fundamental and specialized art courses, taken at the Boston Museum School. The program prepares students for employment as assistant art editors, advertising and layout artists, book designers, and illustrators. By combining as it does the educational facilities of Simmons College and the Boston Museum of Fine Arts, the joint program offers the opportunity for an unusually rich and varied educational experience. To take full advantage of these facilities, programs can be arranged for individual students to satisfy a wide variety of individual interests and abilities.

Admission to the joint program is limited. Students are admitted only after interviews with the Director of the School of Publication and the Head of the Boston Museum School, who will require the submission of drawings or other art work, in order to determine the student's artistic ability and her prospects of success in the work of the program. Students may be admitted to the program only at the beginning of the second year.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
	<i>At Simmons College</i>
SECOND YEAR	English literature elective (8 sem. hrs.) Social science, Philosophy, or Psychology (4 sem. hrs.) Introduction to the Graphic Arts (Pub. 41) Graphic Arts Laboratory (Pub. 42-1 or 2)
	<i>At the Boston Museum School</i>
	Drawing I (8 sem. hrs.) Anatomy I (6 sem. hrs.) Design Ib (2 sem. hrs.)
	<i>At Simmons College</i>
THIRD YEAR	English literature elective (8 sem. hrs.) English composition (4 sem. hrs.) Social science, Philosophy, or Psychology (8 sem. hrs.) Editing and Publishing Techniques (Pub. 43) Editing and Publishing Project (Pub. 44-2) Graphic Design (Pub. 45-1)
	<i>At the Boston Museum School</i>
	Design I (4 sem. hrs.)
	<i>At Simmons College</i>
FOURTH YEAR	Publishing Laboratory (Pub. 46-1 or 2) Elective (4 sem. hrs.)

At the Boston Museum School

24 sem. hrs. of advanced courses to be chosen in consultation with the Art Director of the program. Each student's program will contain such courses as the following:

Commercial Art
Book Design
Mechanical Drawing
Lettering
Advanced Design
Graphic Arts
Perspective

II. ONE-YEAR PROGRAM FOR COLLEGE GRADUATES

This program offers to graduates of approved colleges whose undergraduate programs have been largely academic the opportunity for a year of concentrated study of the basic skills required in editing and publishing. Applicants are advised to consult the Registrar of the College regarding conditions of admission. The program of each student is planned in consultation with the Director of the School. Candidates who satisfactorily complete such a program are eligible for the Diploma in Publication.

A typical one-year program includes the following courses:

Copy and Proof (Pub. 40—2)
Introduction to the Graphic Arts (Pub. 41)
Graphic Arts Laboratory (Pub. 42—1 *or* 2)
Editing and Publishing Techniques (Pub. 43)
Editing and Publishing Project (Pub. 44—2)
Graphic Design (Pub. 45—1)
Publishing Laboratory (Pub. 46—1 *or* 2)
Typewriting for General Use (Bus. 35)

School of Library Science

The School of Library Science offers a one-year professional program for college graduates, both men and women, leading to the degree of Master of Science. During the academic year 1963-64, the School will also offer the final year of a four-year undergraduate program leading to the degree of Bachelor of Science. In subsequent years, only the graduate program will be offered.

The library profession offers a broad range of opportunities in differing specializations and types of libraries—opportunities which vary from scholarship to administration, from service to children, young people, and adults, to work with research specialists. Accordingly, the School of Library Science, in its programs, provides a full range of elective specializations to meet the interests of those who wish to work with children in schools and public libraries, in other areas of public, college, and university libraries, and in special libraries.

Fundamentally librarianship deals with books and other materials which cover every subject and which the librarian must relate to people of all ages and degrees of education. This requires a considered awareness of the significance of the library in both the local community and society at large. It also requires ability to judge books in terms of the needs of the individuals who use them. Those who like people, as well as books, will find librarianship a rich and satisfying profession.

A librarian needs either a broad acquaintance with the literatures of many branches of knowledge, or a special familiarity with one branch; hence a general education is an essential foundation for the study of library science. In addition to an appreciation of literature, the arts, and history, courses in psychology, sociology, economics, and the sciences are recommended.

A subject interest that has been developed through adequate academic preparation frequently has direct application in the library field. The existence of numerous special libraries and special collections in general libraries offers attractive opportunities for those who have specialized in the social sciences, the physical and biological sciences, the fine arts, and other subject areas.

Reading knowledge of foreign languages has become increasingly important for work in university and scientific libraries, and students will find strong language preparation a valuable asset. A reading knowledge of at least one foreign language is required of all students in the School, but study of more than one foreign language is advised.

Familiarity with the many libraries in Boston, Brookline, Cambridge, and other nearby cities and towns is provided through group and individual visits. Metropolitan Boston offers unusual opportunities for visiting bookstores, publishing houses, binderies, and museums. In certain courses, additional assignments of a half-day or less are made for directed observation. These brief observation periods, as well as the undergraduate requirement of a two-week field experience, are made possible through the courtesy and interest of numerous

cooperating libraries. Provision should be made to cover the costs of transportation and other expenses incurred on visits.

Students enrolled in professional courses must have access to a typewriter.

II. ONE-YEAR PROGRAM FOR COLLEGE GRADUATES

This program, in preparation for full professional status, is fully accredited by the Committee on Accreditation of the American Library Association. It leads to the degree of Master of Science on the completion of thirty-six semester hours of graduate courses. A minimum of thirty-two semester hours of work must be completed at Simmons College.* Students in good standing who have earned four semester hours of graduate credit in liberal arts and sciences at other institutions, or who may wish to accumulate such credits elsewhere after taking professional work in the School, may, after being admitted to degree candidacy, petition to apply such credits to their graduate degree here. Similarly, those who have earned master's or doctoral degrees elsewhere may, after degree candidacy, petition to have them recognized to the extent of four semester hours of work, such credit to be counted toward the graduate degree here. While the program is constructed to provide broad training for all professional areas, electives permit programs to be specialized in terms of the professional and academic objectives of each student. It provides full qualifications for a variety of positions in public, college, university, school, and special libraries.

Admission

Candidates for admission to this program must offer assurance of capacity for graduate work, as well as professional aptitude. Applicants must hold a baccalaureate degree in the liberal arts or sciences from a recognized college or university and are expected to have achieved at least a B— average in their undergraduate preparation. Students who have a major in a field which is appropriate for special library service, such as art, music, law, or business, but who do not have the usual liberal arts prerequisites may be admitted, provided they evidence capacity for special librarianship and meet the appropriate language requirements. A reading knowledge of at least one foreign language is required of all students in the School. Whenever undergraduate education appears to be deficient, applicants may be required to take additional courses preliminary to candidacy for the degree of Master of Science.

Application for admission to the graduate program is made on a form obtained from the Director of Students of the School of Library Science. A \$15 application fee, official transcripts of the college record and a statement of graduation, a satisfactory report of health on forms provided by the College, personal recommendations, and, whenever required, a personal interview with a representative of the Director of Students, complete the application for admission.

Applicants for the graduate program are urged to file their applications, with supporting documents, well in advance of the session in which they wish

* The rules governing degree candidacy are stated on page 169.

to begin study, in order to insure proper consideration of their credentials. *It should be noted* that applications cannot be received later than June 3 for the 1963 summer session, September 4 for the autumn 1963 session, and January 2 for the February 1964 session. Applications which are filed after the above deadlines will be set aside and considered for later academic sessions.

The School welcomes applications for admission to the graduate program from those holding the baccalaureate degree from Simmons College in another professional field, provided that the undergraduate specialization is related to an appropriate area of library service. Preparation for graduate study in librarianship may occur within the context of several of the undergraduate schools of the College, particularly in the case of a student having a specialized career objective in the library field.

Program of Study

REGULAR SESSION

First Semester

The Library as a Social Institution (L. S. 101-1)
Reference Methods (L. S. 107-1)
Literature of the Social Sciences (L. S. 109-1)
Cataloguing and Classification: Introduction (L. S. 115-1)

Second Semester

Literature of the Humanities (L. S. 113-2)
Electives (12 sem. hrs.)
 Bibliographical Methods and Government Publications
 (L. S. 108-2)
 Service to Adult Readers (L.S. 110-2)
 Organization and Administration of Special Libraries
 (L. S. 114-2)
 Cataloguing and Classification: Comparative Study
 (L. S. 117-2)
 Technical Services (L. S. 118-2)
 Modern Book Publishing and Publishers (L. S. 120-2)
 Research and Bibliographical Methods in Subject Fields
 (L. S. 131-2)
 The Book Arts and Rare Books (L. S. 170-2)
 Theory of Administration (L. S. 172-2)
 Service to Children (L. S. 181-2)
 Literature for Young Adults (L. S. 183-2)
 Literature of Science and Technology (L. S. 184-2)
 Seminars

In order to qualify for the degree, students must complete *Library Science 101, 107, 115*, and two of the following courses: *Library Science 109, 113, 184*.

Students who enter the School with an acceptable background of study in library science may, with the approval of the Director of Students of the School, substitute for the recommended courses others numbered in the 200's, approved non-professional courses in a subject field listed elsewhere in the College catalogue, or four semester hours of work completed at other institutions.

Degree requirements may be completed when necessary by work carried in a subsequent summer session. A complete summer session announcement may be obtained from the Director of Students of the School of Library Science.

Those who wish to study on a full-time basis during the academic year are urged to begin their studies with the September semester or the summer session. Part-time students may enter with the September or February semester, or with the summer session.

For the convenience of part-time students who are working in neighboring libraries, classes are offered in the late afternoon, evenings, and on Saturday mornings, in addition to the regular schedule. Admission requirements and instructional standards are identical to those of the regular schedule. Information about off-hour courses currently offered is available upon request to the Director of Students of the School. These classes include some advanced courses in the first semester, and some beginning courses in the second.

I. FOUR-YEAR PROGRAM

During the academic year 1963-64 only, the School will offer the fourth year of an undergraduate program leading to the degree of Bachelor of Science for those students who have successfully completed the third year of this program.

FOURTH YEAR

First Semester

Cataloguing and Classification (L. S. 55-1)
Literature of the Social Sciences (L. S. 109-1)
Literature of the Humanities (L. S. 113-1)
Academic elective (4 sem. hrs.)

Second Semester

Technical Services (L. S. 57-2)
Academic elective (4 sem. hrs.)
Library Science electives (8 sem. hrs.):
 The Book Arts and Rare Books (L. S. 170-2)
 Theory of Administration (L. S. 172-2)
 Service to Children (L. S. 181-2)
 Literature for Young Adults (L. S. 183-2)
 Literature of Science and Technology (L. S. 184-2)

Variations in this program may be arranged with the approval of the Director of Students of the School.

Field experience in libraries of recognized standing is required of all undergraduate students for a two-week period. This normally falls within the second semester of the senior year. *The undergraduate student's budget must provide for two weeks' maintenance away from the Boston area during the field experience period*, for the value of this experience depends upon the library visited, and the assignment is made to meet the student's professional needs, without reference to the distance from Boston.

SUMMER PROGRAM

Courses equivalent to the one-year program in library science for college graduates are offered in a series of summer sessions to qualified men and women. The entire program may be completed in four to five summers or by a combination of summer and term-time courses. Full information is contained in a bulletin which may be obtained from the Director of Students of the School.

School of Social Science

The programs offered by the School of Social Science are designed to provide the student with (1) a broad general education, oriented toward the social sciences, and (2) either basic professional training in one of the areas of social science, or preparation for graduate study in the social sciences or education.

The School offers four basic programs, each leading to the degree of Bachelor of Science. These are: governmental affairs, economics, community work, and psychological measurements.

Each of these programs may be utilized as preparation for graduate study in the respective field of concentration or in one of the related social sciences. Students who have this objective should plan their programs carefully with the assistance of the Director and their adviser.

All students are required to fulfill a typewriting requirement which may be met by an appropriate course in secondary school or elsewhere or by *Business 21*.

Program in Governmental Affairs

The program in governmental affairs is designed to lead to employment in administration of Federal, state, and local government. In the senior year students generally take Federal Civil Service Entrance Examinations, and those of states or municipalities in which they are interested.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND	Economics (12 sem. hrs.)
THIRD	<i>Required:</i>
AND	Contemporary Economic Society (Ec. 20)
FOURTH	Elements of Statistics (Ec. 31-1)
YEARS	Government (28 sem. hrs.)
	<i>Required:</i>
	Classical and Early Modern Political Theory (Gov. 23-1) <i>or</i>
	Political Theory During the Last Two Centuries (Gov. 24-2)
	Government in the United States—Federal System (Gov. 21-1) <i>or</i>
	Government in the United States—Urban and State Politics (Gov. 22-2)
	Public Administration (Gov. 40-1) <i>or</i>
	Seminar in Public Administration (Gov. 41-2)
	History (8 sem. hrs.)
	Restricted electives* (16 sem. hrs.)
	Electives (32 sem. hrs.)

* Courses offered in the Division of Social Studies or the Division of Philosophy and Psychology.

Program in Economics

The program in economics is designed as preparation for positions in government, financial institutions, and industry, involving analytical work of an economic nature, such as in the fields of prices, product or labor markets, and securities. Positions for which recent graduates have qualified have been in securities houses, insurance companies, market research and forecasting, and statistical work, among others.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND THIRD AND FOURTH YEARS	<p>Courses in economics should be selected in the light of the student's intellectual and vocational interests. Restricted electives should, so far as possible, relate to the major program. They will generally be selected from government, sociology, psychology, history, mathematics, and certain courses in the School of Business Administration. Students may use electives to take additional courses in economics or fields related closely to it.</p> <p>Economics (36 sem. hrs.)</p> <p><i>Required:</i></p> <p>Contemporary Economic Society (Ec. 20)</p> <p>Elements of Statistics (Ec. 31-1)</p> <p>Economic and Social Statistics (Ec. 32-2)</p> <p>Restricted Electives* (24 sem. hrs.)</p> <p>Electives (36 sem. hrs.)</p>

Program in Community Work

The program in community work is designed as preparation for graduate schools of social work and as preparation for positions in the field of social welfare where only a baccalaureate degree is required for entrance.

Students who plan careers in professional social work should plan to do graduate study in that field. Those who plan to work in related fields or who plan to work between their periods of undergraduate and graduate study can plan their undergraduate programs accordingly. Recent graduates have been employed by the Red Cross, youth or recreation organizations, and public welfare agencies.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND THIRD AND FOURTH YEARS	<p>Economics (12 sem. hrs.)</p> <p><i>Required:</i></p> <p>Contemporary Economic Society (Ec. 20)</p> <p>Elements of Statistics (Ec. 31-1)</p> <p>Government (8 sem. hrs.)</p> <p>Sociology (16 sem. hrs.)</p>

* Courses offered in the Division of Social Studies, the Division of Philosophy and Psychology, or, with permission, certain courses in the School of Business Administration.

Required:

Introduction to Sociology (Soc. 20—1 or 2)

Introduction to Fields of Social Work (Soc. 40—1)

The Family (Soc. 31—2)

History (8 sem. hrs.)

Psychology (12 sem. hrs.)

Restricted electives* (12 sem. hrs.)

Electives (28 sem. hrs.)

Field work is required in this program and may be completed by approved participation in supervised volunteer service or in appropriate summer employment.

Program in Psychological Measurements

The program in psychological measurements is designed as preparation for positions in guidance work and as test technicians in government and testing agencies or personnel departments.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND THIRD AND FOURTH YEARS	Psychology (20 sem. hrs.) <i>Required:</i> Introduction to Psychology (Psych. 20—1 or 2) Principles of Psychological Measurement (Psych. 41—1) Economics (16 sem. hrs.) <i>Required:</i> Contemporary Economic Society (Ec. 20) Elements of Statistics (Ec. 31—1) Economic and Social Statistics (Ec. 32—2) Sociology (8 sem. hrs.) Restricted electives † (24 sem. hrs.) Electives (28 sem. hrs.)

There is in this School no four-year program in education or in terminal preparation for teaching. Students at Simmons who, at the end of the first year at the College, decide to prepare for graduate work in elementary school education will usually follow one of the programs described above, choosing courses and electives carefully under the guidance of the Director. Simmons College is one of a group of colleges now cooperating with the Graduate School of Education at Harvard University in a program for training elementary school teachers. Students who wish to apply for graduate work in elementary education at Harvard, if promising and suitably prepared, may be nominated to the University for fellowship and scholarship assistance.

* Courses offered in the Division of Social Studies or the Division of Philosophy and Psychology.

† Courses offered in the Division of Social Studies or the Division of Philosophy and Psychology, Business 56, 63, and 64, and Education 20, may be used as restricted electives with the approval of the Director.

Students who plan to prepare for graduate work in elementary education normally select the psychological measurements program because a substantial amount of work in psychology and educational measurement is desirable. Electives should be selected to provide a broad, general background, with an emphasis upon social and intellectual history.

The School of Social Science participates in the "Washington Semester" of the American University in Washington, D. C. Each year a limited number of qualified students may study government, public affairs, and international relations for one semester with a group of students selected from participating colleges all over the country. The program consists of a seminar, which meets weekly to question government officials and to discuss previous meetings; a project, begun before the Washington Semester, in the form of a supervised individual study utilizing the research facilities and personal contacts uniquely available in Washington; and two or three courses selected in advance to supplement the student's program at Simmons College. Ordinarily the student will go to American University in the first semester of her junior year; she must discuss plans for the Washington Semester with her adviser early in the sophomore year. This plan will particularly interest students who may wish to work in a government agency after graduation.

School of Education

1. FOUR-YEAR PROGRAMS

A. Programs in Preparation for Secondary School Teaching

The School of Education offers four-year undergraduate programs to prepare for secondary school teaching in the fields of English, French, Spanish, History and Social Studies, Chemistry, Biology, Physics, and Mathematics. The prescribed programs, when satisfactorily completed, will meet the requirements for certification of teachers in the Commonwealth of Massachusetts, and in most other states. Students who intend definitely to prepare for teaching in a state other than Massachusetts should consult the Director of the School to make certain that their programs will meet appropriate teacher certification standards.

The course requirements in the School of Education involve two parallel sequences of study. One of these is a prescribed program of course-work leading to a mastery of the subject-matter to be taught. The other is a sequence of study providing a sound professional preparation for teaching. The program as a whole is planned to accomplish an effective balance and interrelationship between mastery of content and proficiency in teaching. Students should understand that definite interest and aptitude in *both* of these respects are essential to success in the program.

In accordance with the twofold emphasis of the program in the School of Education, the Director will consult closely with the Chairmen of those Divisions in which the subject-matter concentration is being followed. The approval of the Chairman of the appropriate Division is required both for the prescribed programs and for any deviation from these.

Especially qualified students enrolled in the specializations in French or Spanish may receive credit for the satisfactory completion of a prescribed program in a duly recognized Junior Year Abroad program. Each individual program must have the advance approval of the appropriate faculty committee. No student can be considered for this privilege without the prior recommendation of the instructing staffs in both Modern Language and Education. Each arrangement must include provisions for completing eight semester hours of work in Education in summer school between the sophomore and junior years.

The School of Education offers programs *only in preparation for secondary school teaching*. Students seeking to prepare for teaching at other levels, such as the elementary school, will not find suitable programs in this School.

Because of limitations on necessary courses and facilities in teacher preparation it is not possible to accept upperclass transfers into the programs of the School of Education.

The programs of the School of Education are as follows:

**FIRST
YEAR**

The arrangement of this program is described in the section entitled "The First-Year Class."

Specialization in the Secondary School Teaching of English

In addition to the required courses in English, the twenty-four semester hours of electives in English must include *English 33-1* and *English 34-2*; *two* courses from the following three groupings—Novel or Bible, Drama, and Poetry; and *two* courses devoted to Advanced Composition, Greek and Latin Classics in Translation, Medieval Literature, Criticism, the English language, the Renaissance, advanced study of the Novel, or Poetry.

Other electives must include at least eight semester hours in history or other social studies, beyond *Social Studies 10*, and at least eight semester hours in foreign language at or above the intermediate level, a course taken in the first year being acceptable in satisfying this requirement.

SECOND YEAR	<p>English Literature of the Nineteenth Century (Eng. 21 or 22)</p> <p>English electives (8 sem. hrs.)</p> <p>Introduction to Psychology (Psych. 20-1)</p> <p>Historical and Philosophical Backgrounds of Education (Educ. 20-2)</p> <p>Psychology of Adolescence (Psych. 33-2)</p> <p>Elective (4 sem. hrs.)</p>
THIRD YEAR	<p>American Literature (Eng. 20 or 32)</p> <p>Shakespeare (Eng. 35-1)</p> <p>English elective (4 sem. hrs.)</p> <p>The Nature of Classroom Teaching (Educ. 30-1)</p> <p>Curriculum and Methods in the Secondary School Teaching of English (Educ. 32-2)</p> <p>Seminar in Teaching Methods (Educ. 39-2)</p> <p>Electives (8 sem. hrs.)</p>
FOURTH YEAR	<p>English electives (12 sem. hrs.)</p> <p>Student Teaching (Educ. 40-1 or 2)</p> <p>School and Teacher in American Society (Educ. 45-1 or 2)</p> <p>Electives (12 sem. hrs.)</p>

*Specialization in the Secondary School Teaching of French**

Electives must include at least eight semester hours in a second foreign language, to which may be added the requirement of not more than eight semester hours of additional work in the same language, depending upon a proficiency test.

SECOND YEAR	<p>Major French Writers (Fr. 31-1, 32-2)</p> <p>Spoken French (Fr. 33-1)</p> <p>Introduction to Psychology (Psych. 20-1)</p>
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* The prerequisite for French 31, 32 must have been met before the student may enter this program.

Historical and Philosophical Backgrounds of Education
(Educ. 20-2)
Psychology of Adolescence (Psych. 33-2)
Electives (8 sem. hrs.)

THIRD
YEAR

Conversation and Composition (Fr. 34-1, 35-2)
The Age of Classicism (Fr. 41-1, 42-2)*
The Nature of Classroom Teaching (Educ. 30-1)
Curriculum and Methods in the Secondary School Teaching
of Modern Language (Educ. 33-2)
Seminar in Teaching Methods (Educ. 39-2)
Electives (8 sem. hrs.)

FOURTH
YEAR

French Literature from the Revolution to the Third Republic
(Fr. 45-1, 46-2)*
The Age of Reason (Fr. 43-1, 44-2)* or
Contemporary French Literature (Fr. 47-1, 48-2)*
Student Teaching (Educ. 40-1 or 2)
School and Teacher in American Society (Educ. 45-1 or 2)
Electives (8 sem. hrs.)

Specialization in the Secondary School Teaching of Spanish

Electives must include at least eight semester hours in a second foreign language, to which may be added the requirement of not more than eight additional hours of work in the same language, depending upon a proficiency test.

SECOND
YEAR

Hispanic Civilization (Span. 20) or
Twentieth Century Readings (Span. 25)
Introduction to Psychology (Psych. 20-1)
Historical and Philosophical Backgrounds of Education
(Educ. 20-2)
Psychology of Adolescence (Psych. 33-2)
Electives (12 sem. hrs.)

THIRD
YEAR

Literature of the Spanish People (Span. 31-1, 32-2)
Conversation and Composition (Span. 33-1, 34-2)
The Nature of Classroom Teaching (Educ. 30-1)
Curriculum and Methods in the Secondary School Teaching
of Modern Language (Educ. 33-2)
Seminar in Teaching Methods (Educ. 39-2)
Electives (8 sem. hrs.)

* Offered in alternate years.

FOURTH
YEAR

Spanish Renaissance and Baroque Prose (Span. 41-1) *and*
 Cervantes (Span. 42-2) *or*
 Types of Spanish Drama (Span. 43-1) *and* Epic and Lyric
 Poetry (Span. 44-2)
 Spanish History and Literature of the 19th and 20th Cen-
 turies (Span. 45-1, 46-2)
 Advanced Language and Style (Span. 47-2)
 Student Teaching (Educ. 40-1 *or* 2)
 School and Teacher in American Society (Educ. 45-1 *or*
 2)
 Elective (4 sem. hrs.)

*Specialization in the Secondary School Teaching of History
 and Social Studies**

The sixteen semester hours of history electives will be chosen in consultation with the subject-matter adviser to provide a concentration either in European history or in American history, or a comprehensive general survey of the field of history. If the concentration in European history is chosen, the history electives should be selected from: *History 24-1, History 35-2, History 36-1, and History 38-2*. For the concentration in American history, the history electives should be chosen from: *History 23-1, History 31-1, History 33-1, History 34-2, and History 37-2*. Early planning is essential because certain courses are offered only in alternate years.

Other electives must include eight semester hours in economics or sociology, and at least eight semester hours in English, a modern language, or a science; so that this credit, taken in conjunction with work completed in the first year, will provide some qualification for teaching in a second field.

SECOND
YEAR

History of American Civilization (Hist. 21-1, 22-2)
 Government in the United States—Federal System
 (Gov. 21-1) *or*
 Government in the United States—Urban and State
 Politics (Gov. 22-2)
 Elective in Government (4 sem. hrs.)
 Introduction to Psychology (Psych. 20-1)
 Historical and Philosophical Backgrounds of
 Education (Educ. 20-2)
 Psychology of Adolescence (Psych. 33-2)
 Elective (4 sem. hrs.)

THIRD
YEAR

Nineteenth Century Europe (Hist. 27-1)
 Twentieth Century Europe (Hist. 28-2)
 History electives (8 sem. hrs.)
 The Nature of Classroom Teaching (Educ. 30-1)
 Curriculum and Methods in the Secondary School Teaching
 of History and Social Studies (Educ. 34-2)
 Seminar in Teaching Methods (Educ. 39-2)
 Electives (8 sem. hrs.)

*This program assumes completion in the first year of Social Studies 10 or an acceptable equivalent.

FOURTH	History electives (8 sem. hrs.)
YEAR	Student Teaching (Educ. 40-1 or 2)
	School and Teacher in American Society (Educ. 45-1 or 2)
	Electives (16 sem. hrs.)

*Specialization in the Secondary School Teaching of Biology**

SECOND	Vertebrate Morphology I and II (Biol. 23-1, 24-2)
YEAR	Analytical Chemistry I (Chem. 25-1)
	College Algebra and Trigonometry (Math. 10-1) or
	College Mathematics (Math. 11-1)
	Analytic Geometry and Calculus I (Math. 23-2)
	Introduction to Psychology (Psych. 20-1)
	Historical and Philosophical Backgrounds of Education
	(Educ. 20-2)
	Psychology of Adolescence (Psych. 33-2)
THIRD	Human Physiology (Biol. 34-2)
YEAR	Microbiology (Biol. 21-2)
	Organic Chemistry (Chem. 20-1)
	General Physics (Phys. 10 or 11)
	The Nature of Classroom Teaching (Educ. 30-1)
	Curriculum and Methods in the Secondary School Teaching
	of Science and Mathematics (Educ. 35-2)
	Seminar in Teaching Methods (Educ. 39-2)
	Elective (4 sem. hrs.)
FOURTH	Biochemistry (Chem. 21-2)
YEAR	Conservation and Field Biology (Biol. 40)
	Student Teaching (Educ. 40-1 or 2)
	School and Teacher in American Society (Educ. 45-1 or 2)
	Electives (12 sem. hrs.)

Specialization in the Secondary School Teaching of Chemistry†

SECOND	Analytical Chemistry I and II (Chem. 25-1, 26-2)
YEAR	Analytic Geometry and Calculus II and III
	(Math. 24-1, 25-2)
	Introduction to Psychology (Psych. 20-1)
	Historical and Philosophical Backgrounds of Education
	(Educ. 20-2)
	Psychology of Adolescence (Psych. 33-2)
	Elective (4 sem. hrs.)

* This program assumes completion in the first year of Biology 10 and Chemistry 11 or 12.

† This program assumes completion in the first year of Chemistry 11 or 12 and the equivalent of Mathematics 10 or 11, and 23.

THIRD YEAR	Organic Chemistry (Chem. 31) Biological Science (Biol. 10) General Physics (Phys. 11) The Nature of Classroom Teaching (Educ. 30-1) Curriculum and Methods in the Secondary School Teaching of Science and Mathematics (Educ. 35-2) Seminar in Teaching Methods (Educ. 39-2)
FOURTH YEAR	Physical Chemistry (Chem. 41) Student Teaching (Educ. 40-1 or 2) School and Teacher in American Society (Educ. 45-1 or 2) Electives (16 sem. hrs.)

*Specialization in the Secondary School Teaching of Physics**

SECOND YEAR	Mechanics (Phys. 23-1) Electricity and Magnetism (Phys. 21-2) Analytic Geometry and Calculus II and III (Math. 24-1, 25-2) Introduction to Psychology (Psych. 20-1) Historical and Philosophical Backgrounds of Education (Educ. 20-2) Psychology of Adolescence (Psych. 33-2) Elective (4 sem. hrs.)
THIRD YEAR	A.C. Circuits and Electronics I (Phys. 36-1) or Atomic Physics (Phys. 42-1) A.C. Circuits and Electronics II (Phys. 37-2) or Nuclear Physics (Phys. 43-2) Differential Equations (Math. 30-1) General Chemistry (Chem. 11 or 12) The Nature of Classroom Teaching (Educ. 30-1) Curriculum and Methods in the Secondary School Teaching of Science and Mathematics (Educ. 35-2) Seminar in Teaching Methods (Educ. 39-2) Elective (4 sem. hrs.)
FOURTH YEAR	Atomic Physics (Phys. 42-1) or A.C. Circuits and Electronics I (Phys. 36-1) Nuclear Physics (Phys. 43-2) or A.C. Circuits and Electronics II (Phys. 37-2) Student Teaching (Educ. 40-1 or 2) School and Teacher in American Society (Educ. 45-1 or 2) Electives (16 sem. hrs.)

* This program assumes completion in the first year of Physics 11 and the equivalent of Mathematics 10 or 11, and 23.

*Specialization in the Secondary School Teaching of Mathematics**

The sixteen semester hours of restricted electives must include either eight semester hours of laboratory science (in addition to *Physics 11*), or additional courses in Mathematics, including *Mathematics 30-1*, or both. Not more than eight semester hours of restricted electives may be chosen from *Economics 20* or *Philosophy 24-2*.

SECOND YEAR	Analytic Geometry and Calculus II and III (Math. 24-1, 25-2) General Physics (Phys. 11) Introduction to Psychology (Psych. 20-1) Historical and Philosophical Backgrounds of Education (Educ. 20-2) Psychology of Adolescence (Psych. 33-2) Elective (4 sem. hrs.)
THIRD YEAR	Introductory Modern Algebra (Math. 42-1) <i>or</i> Probability and Statistics (Math. 41-1) Modern Geometry (Math. 33-2) <i>or</i> Finite Mathematics (Math. 40-2) Seminar in Mathematics Restricted electives (8 sem. hrs.) The Nature of Classroom Teaching (Educ. 30-1) Curriculum and Methods in the Secondary School Teaching of Science and Mathematics (Educ. 35-2) Seminar in Teaching Methods (Educ. 39-2) Electives (8 sem. hrs.)
FOURTH YEAR	Probability and Statistics (Math. 41-1) <i>or</i> Introductory Modern Algebra (Math. 42-1) Finite Mathematics (Math. 40-2) <i>or</i> Modern Geometry (Math. 33-2) Seminar in Mathematics Student Teaching (Educ. 40-1 <i>or</i> 2) School and Teacher in American Society (Educ. 45-1 <i>or</i> 2) Restricted electives (8 sem. hrs.) Electives (8 sem. hrs.)

B. Pregraduate Program in the Liberal Arts

The program in the liberal arts leading to the Bachelor of Arts degree is limited to students intending to enter graduate school and judged by the Director of the School of Education to be capable of pursuing such a program. To qualify for graduation in the pregraduate program the student must pass a comprehensive examination during the second semester of her senior year and must satisfactorily complete a senior thesis in her field of concentration. Thesis topics and completed theses must be approved by a board of thesis advisers appointed by the Director of the School of Education. At the present time programs are offered only in the following areas: English, Spanish, French, History, Government, Economics, and Psychology.

* This program assumes completion in the first year of the equivalent of Mathematics 10 or 11, and 23.

The individual programs are as follows:

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
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Pregraduate Program in English

SECOND	44 sem. hrs. in English
THIRD	<i>Required:</i>
AND	American literature (Eng. 20 or 32)
FOURTH	Nineteenth Century English literature (Eng. 21 or 22)
YEARS	The English Novel (Eng. 36-1)
	An intensive course in poetry (Eng. 39-2 or 42-2)
	Shakespeare (Eng. 35-1)
	English Literature and Society in the Age of Donne and Milton (Eng. 33-1)
	English Literature and Society in the Age of Enlightenment (Eng. 34-2)
	English Language—Its Growth and Use (Eng. 28-2)
	or
	Comparative Literature (4 sem. hrs.)
	Directed Study: Senior Thesis (Eng. 65-2)
	PLUS a comprehensive examination in the final year
	16 sem. hrs. in foreign language (part of which may be completed in the first year and at least 8 sem. hrs. of which must be above the intermediate level)
	20 sem. hrs. to be distributed among the following: a second or third foreign language, philosophy, psychology, history or government (according to the graduate curriculum for which the student is preparing and according to the graduate record examination she must take)
	16 sem. hrs. in electives

Pregraduate Programs in French and Spanish

SECOND	44 sem. hrs. of French or Spanish required, <i>above</i> the elementary level, including <i>Directed Study: Senior Thesis</i>
THIRD	(<i>Fr.</i> 26-5 or <i>Span.</i> 65-2), PLUS a comprehensive examination in the major language and literature in the final year
AND	16 sem. hrs. in a second foreign language
FOURTH	20 sem. hrs. to be distributed among the following: a third foreign language, English, comparative literature, history or government, philosophy (according to the graduate curriculum for which the student is preparing and according to the graduate record examination she must take)
YEARS	16 sem. hrs. in electives

NOTE: If the student as a freshman completes a French or Spanish course above the elementary level (*Fr.* 10 or *Span.* 10), this completion may free her from 8 sem. hrs. of advanced French or Spanish, *but* these 8 sem. hrs.

must be devoted to courses in a second or third foreign language. If the student as a freshman completes a 30 course in her major language, she may, by consent, substitute for courses in her major language *up* to 16 sem. hrs. in a second or third foreign language.

Pregraduate Program in Psychology

SECOND	44 sem. hrs. in Psychology
THIRD	<i>Required:</i>
AND	Introduction to Psychology (Psych. 20—1 or 2)
FOURTH	Two of the following three:
YEARS	Child Psychology (Psych. 30—1 or 2)
	The Psychology of Adjustment (Psych. 31—1 or 2)
	The Psychology of Adolescence (Psych. 33—2)
	Physiological Psychology (Psych. 32—2)
	Psychological Statistics
	Experimental Psychology (Psych. 34—1 or 2)
	Social Psychology (Psych. 40—2)
	Principles of Psychological Measurement (Psych. 41—1)
	Seminar in Clinical Psychology (Psych. 42—2) or
	Personality Theory (Psych. 43—1 or 2)
	Directed Study; Senior Thesis (Psych. 65—2)
	PLUS a comprehensive examination in the final year
	16 sem. hrs. in foreign language (part of which may be completed in the first year and at least 8 sem. hrs. of which must be above the intermediate level)
	Introduction to Sociology (Soc. 20—1 or 2)
	The Human Nervous System (Biol. 25—1)
	12 sem. hrs. to be chosen from sociology, biology, or mathematics (according to the graduate curriculum for which the student is preparing and according to the graduate record examination she must take)
	16 sem. hrs. in electives

Pregraduate Program in History

SECOND	44 sem. hrs. in History
THIRD	<i>Required:</i>
AND	The Development of Contemporary Society
FOURTH	(Soc. St. 10)*
YEARS	Medieval or
	Ancient History (4 sem. hrs.)
	Historiography
	Nineteenth Century Europe (Hist. 27—1)
	Twentieth Century Europe (Hist. 28—2)
	History of American Civilization (Hist. 21—1, 22—2)
	American or European History (8 sem. hrs.)
	Directed Study; Senior Thesis (Hist. 65—2)
	PLUS a comprehensive examination in the final year

* If not completed in the freshman year.

- 16 sem. hrs. in foreign language (part of which may be completed in the first year and at least 8 sem. hrs. of which must be above the intermediate level)
- 12 sem. hrs. within the Division of Social Studies (other than history), according to the graduate curriculum for which the student is preparing and according to the graduate record examination she must take
- 24 sem. hrs. in electives

NOTE: At least 12 sem. hrs. should be taken in courses in *one* of the following subject areas: government, economics, sociology, psychology, philosophy, or literature.

Pregraduate Program in Government

SECOND
THIRD
AND
FOURTH
YEARS

- 40 sem. hrs. in Government
- Required:*
- Classical and Early Modern Political Theory (Gov. 23-1)
- Political Theory During the Last Two Centuries (Gov. 24-2)
- Government in the United States—Federal System (Gov. 21-1) *or*
- Government in the United States—Urban and State Politics (Gov. 22-2)
- Governments in the Modern World—European (Gov. 30-1) *or*
- Governments in the Modern World—Asian and African (Gov. 31-2)
- International Relations (Gov. 32-2) *or*
- American Foreign Policy (Hist. 31-1)
- Reading and Research (Gov. 43-1 *or* 2)
- Directed Study: Senior Thesis (Gov. 65-2)
- PLUS a comprehensive examination in the final year
- 16 sem. hrs. in foreign language (part of which may be completed in the first year and at least 8 sem. hrs. of which must be above the intermediate level)
- Contemporary Economic Society (Ec. 20)
- Elements of Statistics (Ec. 31-1)
- Introduction to Sociology (Soc. 20-1 *or* 2)
- Introduction to Psychology (Psych. 20-1 *or* 2)
- 20 sem. hrs. in electives

Pregraduate Program in Economics

SECOND
THIRD
AND
FOURTH
YEARS

- 40 sem. hrs. in Economics
- Required:*
- Contemporary Economic Society (Ec. 20)
- Elements of Statistics (Ec. 31-1)
- Economic and Social Statistics (Ec. 32-2)
- Money and Banking (Ec. 35-2)
- Intermediate Economic Theory (Ec. 41-2)

Directed Study: Senior Thesis (Ec. 65-2)

PLUS a comprehensive examination in the final year

16 sem. hrs. in foreign language (part of which may be completed in the first year and at least 8 sem. hrs. of which must be above the intermediate level) except when, in the opinion of the Director, 8 sem. hrs. of mathematics or statistics may serve the student better

20 sem. hrs. to be chosen from the following: history, government, sociology, mathematics (according to the graduate curriculum for which the student is preparing). At least 12 of these 24 sem. hrs. must be in one of the aforementioned subjects.

20 sem. hrs. in electives

II. PROGRAM FOR COLLEGE GRADUATES

During the summer of 1963 institutes for high school teachers of chemistry, science, mathematics, and physics, supported by grants from the National Science Foundation, will be offered. To participants who enroll for credit and pass the course(s) with a satisfactory grade, graduate academic credit will be granted in the Simmons School of Education.

School of Social Work

The School of Social Work offers a two-year graduate program preparing qualified men and women for the professional practice of social work, with particular competence in the application of the social case work method. The School aims to produce graduates who possess the knowledge, skills, and philosophy of social work, integrated and balanced in such a way as to enable them to function successfully in beginning social work positions and to continue to grow in ability and responsibility in future practice.

The School program includes learnings acquired through both classroom and field work instruction in Human Growth and Behavior, Social Services, Social Work Methods, and Social Work Practice. Such learnings are derived from social work itself and from the related fields of medicine, psychiatry, and the social sciences. Emphasis in both years is placed on the values system of social work, the conceptual basis for social work practice, and the various methods social workers use in rendering services to people. Classroom content is reinforced, supplemented, and tested out through the student's concurrent experience in carrying out social case work responsibilities in community social agencies and institutions selected as training centers.

The School, in cooperation with the Placement Office of Simmons College, assists in the placement of its graduates.

Admission. The admission policy of the School is based on the following requirements:

1. Graduation from an accredited college.
2. Undergraduate work in the social sciences designed to provide applicants with some familiarity with American society and its institutions and some knowledge of human beings and their behavior.
3. Evidence of the applicant's intellectual capacity to carry classroom work at a graduate level.
4. Evidence of the applicant's personal qualifications for social work. Such evidence is expected to indicate (a) that the applicant has explored the field of social work and social work education with some persistence, intelligence, discrimination, and satisfaction; and (b) that the applicant is able to relate successfully to other people.

Degree. Two full academic years in residence are required for the Master of Science degree, unless the student has satisfactorily completed the first year in a school of social work which is a member of the Council on Social Work Education. The fulfillment of all requirements for the degree of Master of Science must demonstrate the candidate's ability to meet a high professional standard. (See also the section on page 170 entitled "The Degree of Master of Science.")

A catalogue giving more detailed information may be obtained by writing to the Director, School of Social Work, 51 Commonwealth Avenue, Boston 16.

School of Business Administration

The School of Business Administration was one of the first schools to offer courses of instruction when the College was opened in 1902. At that time the School was called the School of Secretarial Studies. Since then it has undergone the following name changes: School of Business and Secretarial Studies, School of Business, and School of Business Administration. As these changes suggest, the School has kept pace with the evolving opportunities for women in the field of business.

The primary purpose of the School is to prepare students who wish to make a career of business for eventual positions of management, either through employment by professional firms or through ownership of their own businesses. In addition to offering a broad general education, the programs are designed to provide understanding of the environment of business; a knowledge of business organization; an insight into functional problems of business management; acquaintance with a specialized field of business; and development of secretarial skills in those areas where these skills are essential. Excellent training is also available for the women who wish interim, part-time, or permanent employment in a challenging and responsible executive secretarial position. There is always a great demand for this type of employee with a strong background of academic and professional education.

Graduates of the School are now occupying interesting administrative positions in many types of business concerns, government agencies, hospitals, educational institutions, professional offices. Some are engaged as accountants, office managers, statisticians and analysts, executive secretaries, property managers, business educators, and specialists in the fields of personnel and advertising. Graduates have gone to positions as bilingual secretaries in all parts of the world. Others have established and creditably maintained their own businesses.

I. FOUR-YEAR PROGRAMS

Opportunities for advancement and the chance to fill the jobs at top levels of business come frequently to women who are college graduates with a broad general education combined with professional training in the business fields. Since Simmons College is the only four-year college in the country which has a School of Business Administration concerned exclusively with education of women for business, the School is in an excellent position to prepare women for top-level positions in the business world. The training is supplemented by many actual contacts with businesses and businessmen. These experiences provide opportunities for the students to observe firsthand those theories and skills learned in the classroom. A field trip to New York in the second semester of the senior year provides an opportunity for students to observe the New York Stock Exchange and other business institutions not accessible in Boston.

A student in the School of Business Administration may specialize in any of the following fields: advertising, executive medical secretarial, financial administration, international business, personnel administration, office administration, or retailing.* Through co-operation with other schools in the College, the School of Business Administration is able to arrange programs which will provide specialization in still other fields.

The descriptions below will assist students in selecting their area of special interest. All specializations provide for a number of electives.

Advertising

The field of advertising offers opportunity for creativity and artistic talent, combined with effective salesmanship and management ability. Positions include advertising manager, account executive, media director and space buyer, production manager, promotion manager, and publicity director. Because women entering the field usually begin as secretaries in advertising agencies or in advertising departments of large companies, students are encouraged, but not required, to take shorthand. Another related field offering opportunities for high-level employment is market research. This is a relatively new field which is growing rapidly and is fast becoming a most interesting high-level field of work for women.

Executive Medical Secretarial

Women who wish to be associated with the field of medicine in a business capacity should seriously consider the profession of executive medical secretary. Executive medical secretaries are employed in private offices, hospitals, clinics and research laboratories. This profession offers an excellent avenue for satisfying a humanitarian desire while using business talents and interests. Many graduates have moved into responsible positions of hospital administration.

Financial Administration

The many challenging positions in the field of finance are becoming increasingly available to women. College graduates can now find interesting placement in banks, investment firms, insurance companies, and the finance departments of businesses. The specialization offers, in addition to the high-level professional training, a strong background in general courses.

International Business

The growth in the nation's international business during the past few years has broadened the professional horizons in the areas of foreign trade. This has been a result of the newer global concept with which many companies view their operations.

* See page 76.

The students in the international business specialization are trained also for careers in government in the United States and abroad as bilingual secretaries in such organizations as the State Department and the Central Intelligence Agency. Both domestic and overseas placements are numerous.

Students in the international business specialization acquire speaking and writing fluency in at least one foreign language.

Office Administration

The office administration specialization is designed to meet the needs of those persons interested in coordinating, controlling, and managing office activities of all types. The program will also be elected by students who prefer a general curriculum in business management. This provides a strong background of business information which enables the graduate to accept a position of responsibility in any field of business. The office administration specialization also offers training for the most responsible executive secretarial positions.

Personnel Administration

The field of personnel administration has expanded so much in recent years that it now offers a limitless variety of interesting positions. Specialists in the personnel management area may be involved with procurement, placement, and/or training of employees. They may administer employee benefit programs, such as group insurance, retirement, loan funds, recreation, and so forth. Also included in employee relations responsibilities are personnel rating, job analysis, job evaluation, and collective bargaining. Few vocations offer the variety of experiences that characterize personnel management. Students are encouraged, though not required, to take shorthand as an effective way of entering the field.

FIRST YEAR

The arrangement of this program is described in the section entitled "The First-Year Class."

SECOND YEAR

Foundations of Business Administration (Bus. 24-1)
Contemporary Economic Society (Ec. 20)
Principles of Accounting (Bus. 20-1)
Business Lectures *
Additional course requirements (16 sem. hrs.)† in various specializations are as follows:

Advertising, Office Administration, Personnel Administration

Electives (16 sem. hrs.)

* Students attend eight lectures during enrollment in the School of Business Administration. Four are offered each year.

† Students may take Business 34 during the second semester.

*Executive Medical Secretarial**

Human Physiology (Biol. 34-2)
Electives (12 sem. hrs.)

Financial Administration

Intermediate Accounting (Bus. 25-2)
Electives (12 sem. hrs.)

International Business

Foreign language (8 sem. hrs.)
Electives (8 sem. hrs.)

THIRD
YEAR

Analysis of Business Data (Bus. 36-1 or 2)
Business Communications (Bus. 34-2)†
Legal Aspects of Business (Bus. 38-2)‡
Business Lectures§
Additional course requirements (20 sem. hrs.) in various specializations are as follows:

Advertising

Advertising Policies and Methods (Bus. 50-2)
Elementary Typewriting (Bus. 31b)
Marketing (Bus. 52-1)
Electives (8 sem. hrs.)
 Recommended:
 Elementary Shorthand (Bus. 31a)

Executive Medical Secretarial

Elementary Shorthand and Typewriting (Bus. 31)
Human Anatomy (Biol. 22-1)
Electives (8 sem. hrs.)

Financial Administration

Personal-Use Typewriting (Bus. 21-2) or typewriting ability
Corporate Finance (Ec. 43-2)|| or
Money and Banking (Ec. 35-2)
The Stock Market (Bus. 58-1)
Electives (6 or 8 sem. hrs.)

* This program assumes completion of the biology prerequisite in the first year.

† May be taken during sophomore, junior, or senior year.

‡ May be taken during junior or senior year.

§ Students attend eight lectures during enrollment in the School of Business Administration. Four are offered each year.

|| Offered in alternate years.

International Business

Elementary Shorthand and Typewriting (Bus. 31)
 Foreign language (8 sem. hrs.)
 International Trade (Ec. 39-1)* *or*
 Elective (4 sem. hrs.)

Office Administration

Elementary Shorthand and Typewriting (Bus. 31)
 Personnel Principles and Policies (Bus. 56-2)
 Electives (8 sem. hrs.)

Personnel Administration

Elementary Typewriting (Bus. 31b)
 Personnel Principles and Policies (Bus. 56-2)
 Electives (12 sem. hrs.)
Recommended:
 Elementary Shorthand (Bus. 31a)

FOURTH
 YEAR

Office Procedures (Bus. 42-2)†
 Modern Business Management (Bus. 45-2)
 Business Lectures‡
 Additional course requirements (24 or 28 sem. hrs.) in various specializations are as follows:

Advertising

Marketing Research (Bus. 63-1)
 Electives (20 sem. hrs.)
Recommended:
 Advanced Shorthand and Typewriting (Bus. 41-1)

Executive Medical Secretarial

Advanced Shorthand and Typewriting (Bus. 41-1)
 Medical Terminology and Transcription (Bus. 46-2)
 Electives (16 sem. hrs.)

Financial Administration

Corporation Finance (Ec. 43-2)* *or*
 Money and Banking (Ec. 35-2)
 Financial Administration (Bus. 61-1)
 Seminar in Financial Administration (Bus. 62-2)
 Electives (16 sem. hrs.)

* Offered in alternate years.

† Not required of Financial Administration students.

‡ Students attend eight lectures during enrollment in the School of Business Administration. Four are offered each year.

International Business

Advanced Shorthand and Typewriting (Bus. 41-1)
 Foreign language (8 sem. hrs.)*
 International Trade (Ec. 39-1)†
 Electives (8 or 12 sem. hrs.)

Office Administration

Advanced Shorthand and Typewriting (Bus. 41-1)
 Office Management (Bus. 69-2)
 Electives (16 sem. hrs.)

Personnel Administration

Personnel Management (Bus. 64-1)
 Seminar in Personnel Administration (Bus. 66-2)
 Electives (16 sem. hrs.)

Recommended:

Advanced Shorthand and Typewriting (Bus. 41-1)
 Labor and Industrial Relations (Ec. 36-1)

PRINCE SCHOOL PROGRAM IN RETAILING

The Prince School Program in Retailing at Simmons College is the outgrowth of a long and interesting educational development started by Mrs. Lucinda Wyman Prince, a dynamic woman who devoted a great part of her life to retailing education. The first Prince School was established in 1905 as a department of the Women's Educational and Industrial Union, and the program was designed to improve the training of saleswomen.

This course proved so successful in broadening the outlook and increasing the efficiency of saleswomen that another course was added to train teachers to work in educational programs within retail stores. These programs were of such great benefit to the stores that in 1918, the National Retail Dry Goods Association, now called National Retail Merchants Association, helped Mrs. Prince reorganize the school as an independent enterprise under her wise leadership. Four years later the Prince School became affiliated with Simmons College and Mrs. Prince became the Director, serving in this position until 1935.

Through the years the Prince School has kept abreast of the times through a constant broadening of the curriculum to include those areas in retailing which offer excellent opportunities for women. The School merged with the School of Business Administration in 1962 as a further step toward increasing the educational offering in retailing and related areas.

Today the Prince School Program in Retailing prepares its students for employment as executives in department stores, specialty stores, and other retail organizations; and also for the wide variety of other fields for which a background in distribution procedures, supervisory skills, and effective techniques of organizing and presenting data is a useful preparation.

* Not required if twenty-four semester hours of foreign language have been completed.

† Offered in alternate years.

Specifically the objectives of the program are:

1. To develop an understanding of the business environment of today—with particular reference to retail stores and related organizations—and the ability and attitudes necessary to fit into that environment.

2. To provide skill in dealing with people and working efficiently with groups to a common purpose.

3. To offer specialized training in retailing and related fields as a basis for employment in one of the many areas of distribution.

Emphasis is on specialized training for executive positions in retailing because this field continues to present the kinds of job opportunities and work experience that are valuable for the young woman who wishes a career as an executive in a challenging and dynamic business upon graduation from college. The range of positions available to college graduates in stores is constantly broadening, and undoubtedly will continue to do so.

Specifically, the positions for which Prince students are being prepared include these two broad categories:

1. *Jobs in retailing.* This includes training director, employment manager, personnel director, fashion coordinator, buyer, merchandise manager, and branch store manager for department and specialty stores, as well as owner and manager of small retail shops. Frequently the preparation for these positions includes preliminary training as a member of an executive training group.

2. *Jobs in areas related to retailing in which a knowledge of retailing principles and practices is useful.* There are positions in wholesaling and manufacturing that relate closely to retailing. These jobs, for which a retail background is highly useful, include: buyer in a New York buying office, fashion director for an apparel manufacturer, sales representative for a wholesaler, reporter for a retail trade publication, and editorial assistant for a fashion magazine. There are many other jobs involving the use of skills developed in the study of retailing. Some of these call for the use of many of the same supervisory skills learned in the study of retailing; others involve the kinds of customer contact similar in many ways to retailing.

The program takes advantage of the many opportunities its location in Boston provides for close contact with business organizations that offer useful types of experience for students. The result is that in addition to the usual types of college instruction, the students take frequent field trips to stores and manufacturing plants in the Boston area, and numerous executives from stores and other organizations visit classes to teach students the techniques they have found effective in their own work. A field trip to the New York market is taken by seniors and graduate students each spring to familiarize them with the practical operations in the apparel fields.

The four-year undergraduate program, which leads to the degree of Bachelor of Science, provides a broad liberal arts background along with professional training in general business administration and in retailing. The first year is common to all Simmons College students, and the emphasis is on academic subjects. During the second year students begin the study of business administration, but continue to have much of their course work in the field of general educa-

tion. Specialized courses in retailing are introduced in the junior year and are combined with academic studies and business administration courses throughout the remainder of the work at Simmons College.

The incorporation of the Prince School Program in Retailing into the School of Business Administration during the 1962-1963 academic year has necessitated the arrangement of special programs for those students who were enrolled in the Prince School of Retailing at the time of the merger of the two schools. These interim programs, as well as the permanent program, are shown below.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND YEAR	Foundations of Business Administration (Bus. 24-1) Contemporary Economic Society (Ec. 20) Personal-Use Typewriting (Bus. 21-2) <i>or</i> typewriting ability Business Communications (Bus. 34-2) Business Lectures * Electives (14 or 16 sem. hrs.) <i>Recommended:</i> Design (Home Ec. 22-1)
THIRD YEAR	Analysis of Business Data (Bus. 36-1 <i>or</i> 2) Marketing (Bus. 52-1) Marketing Research (Bus. 63-1) Retailing Principles and Practices (Bus. 55-2) Business Lectures * Electives (16 sem. hrs.) <i>Recommended:</i> Fashion (Bus. 53-1) Textiles (Home Ec. 21-2)
FOURTH YEAR (<i>Effective in 1964-65</i>)	Retail Merchandising Personnel Principles and Policies Modern Business Management Retailing Seminar Business Lectures * Electives (16 sem. hrs.)
FOURTH YEAR (<i>To be offered in 1963-64 only</i>)	Retail Merchandising (Bus. 59) Personnel Principles and Policies (Bus. 56-1) Marketing Research (Bus. 63-1) Retailing Seminar (Bus. 65-1) Field Work Personnel Problems in Retailing (Bus. 67-2) Electives (8 sem. hrs.)

* Students attend eight lectures during enrollment in School of Business Administration. Four are offered each year.

II. PROGRAM FOR COLLEGE GRADUATES

This one-year program provides for a concentrated study in business administration for graduates of approved colleges whose education has been chiefly academic, and leads to the Diploma in Business Administration. The program of each student is planned in consultation with the Director of the School. All of the courses offered in business administration are available to graduate students except advanced courses in which prerequisites are established. A total of thirty-two semester hours of work is required, of which twenty-four semester hours must be taken in the field of business administration. A typical program would include the following courses:

- Foundations of Business Administration (Bus. 24-1)
- Principles of Accounting (Bus. 20-1)
- Legal Aspects of Business (Bus. 38-2)
- Business Communications (Bus. 34-2)
- Elementary Shorthand and Typewriting (Bus. 31)
- Electives (8 sem. hrs.)

The flexibility of the program permits the selection of courses to meet varying objectives of individual students.

A graduate who wishes to specialize in retailing may select, with the help of the Director, those specialized courses most related to retailing. Such a program would include most of the business administration courses required of undergraduates.

Applicants are advised to consult the Registrar of the College regarding conditions of admission to this diploma program.

School of Science

I. FOUR-YEAR PROGRAMS *

The curriculum of the School of Science provides the student with the fundamental knowledge and techniques which are needed to attain professional competence in certain branches of science, in mathematics, in physical therapy, in orthoptics, or in medical technology.

Programs in the Fundamental Sciences

Programs of study specializing in each of the fundamental sciences—biology, chemistry, and physics—are given in detail below. They are designed to qualify students to serve on a professional level wherever science is advanced through research or applied to the problems of medicine, agriculture, or industry. In the laboratories of industry and of research institutions, universities, and hospitals, research and development work is being carried out to find solutions to problems that range from a study of the causes and nature of cancer, its control and ultimate cure, to the manufacture of a better plastic; from the nature of the nucleus of an atom or the origin of a solar system to the development of electronic circuits to be used in radio, television, computers, automatic controls, or space rockets; from the nature of the complex changes that take place in a living cell which make life possible to the prevention and cure of the common cold. Graduates who have specialized in biology, chemistry, or physics are prepared to serve in laboratories in which such work is done.

Program in Mathematics

The program of study specializing in mathematics is described in detail below. Opportunities for women to work as mathematicians have increased markedly in the past ten years. Mathematicians are needed not only in highly specialized areas, but also in nearly all fields of pure and applied research. Work involving statistical methods, electronic computing, aircraft design, communication, and weather phenomena are but a few examples of the many openings for mathematicians. It is advisable that students who intend to specialize in mathematics also elect courses in basic science.

Women scientists or mathematicians with a reading knowledge of German and of French or Russian are in special demand to search the literature of science to determine and summarize what has been done in a specialized field in order to prepare the way for laboratory research or for application for patents.

For those who wish to enter a graduate school as candidates for advanced degrees in science or mathematics, a program of study in one of these special

* Four and one-half years for the physical therapy option.

fields is prerequisite. Laboratory assistantships, scholarships, and fellowships are offered by graduate schools to help able students finance such graduate study. Those interested in graduate study as a preparation for research in the field of nutrition may combine courses in biochemistry and foods with those suggested for specialization in chemistry. Those students who wish to teach in colleges and universities should specialize in a single science or mathematics and, after graduation, enroll in graduate school as candidates for the Ph.D. degree in this subject.

Program in Physical Therapy

The four-and-one-half-year program in physical therapy leads to the degree of Bachelor of Science and the Diploma in Physical Therapy. In this program Simmons College is affiliated with the Children's Hospital Medical Center, the Massachusetts General Hospital, the Peter Bent Brigham Hospital, and the Bay State Medical Rehabilitation Clinic. These hospitals, in which the physical therapy students secure their experience, are world famous for their facilities and staffs. During the final year and a half, much of the basic instruction is given at the Children's Hospital Medical Center, but the balance of the program is carefully apportioned among all affiliations. This diversity provides instruction by specialists in a wide variety of techniques; experience with patients of all ages, diagnoses, and degrees of disability; and participation with other medical personnel in stimulating and challenging activities.

Although more than enough academic credits are accumulated to meet the minimum requirements for graduation, neither the degree nor the diploma is awarded unless the final year and a half of the program has been completed with satisfactory grades. During this period courses continue through the summer, except for one month's vacation.

The program is approved by the Council on Medical Education and Hospitals of the American Medical Association. For the final year and a half students are eligible to apply to various special sources for scholarship and fellowship aid.

The facilities in the affiliated hospitals are such that a limitation must be placed on the number of students that may be admitted to this program in a given year. A student may be rejected by the Director of the School of Science when she applies for admission to this program if, after medical consultation, the candidate is judged for reasons of health or emotional stability to be unfit for this program. Further, if at any time a student's work, conduct, or health is unsatisfactory or if she fails to manifest those qualities judged to be essential in the practice of physical therapy, she may be required to withdraw from the program.

Physical therapy is a firmly established and constantly growing profession for women. Widespread public interest in the field of rehabilitation has resulted in expanded facilities and a demand for skilled personnel. The physical therapist plays a major role in restoring physically handicapped patients of all ages to useful and productive lives. Opportunities exist in hospitals, rehabilitation centers, the military services, Veterans Administration, public health services, and

the clinics of business and industrial firms. For the experienced physical therapist, excellent fellowships are available for further study in preparation for research, administration, and teaching.

Program in Orthoptics

The four-year program in orthoptics leads to the degree of Bachelor of Science and the Diploma in Orthoptics. Simmons College is affiliated with the Massachusetts Eye and Ear Infirmary in this program. The first three years are devoted to courses taken at the College. In the fourth year the major portion of the work is given at the Infirmary, although one course must be taken at the College. Although the academic requirements in this program are met at the end of the fourth academic year, an additional period of three months of internship is necessary before graduates qualify as candidates for the examination for certification of the American Orthoptic Council.

The need for persons trained in orthoptics to work with ophthalmologists in the diagnosis and treatment of defects and diseases of the eye has grown more acute within recent years. Such professionally trained assistants greatly aid these physicians, who are specialists in the treatment of pathological conditions of the eye. Students in this program devote much of their preprofessional education to the study of biology, physics, and mathematics.

Program in Medical Technology

The four-year program in medical technology leads to the degree of Bachelor of Science and the Diploma in Diagnostic Laboratory Science. The fourth year is of fifty weeks' duration and starts immediately after the close of the third academic year. In this program Simmons College is affiliated with the Beth Israel Hospital and the instruction in the final year is given in the laboratories and lecture halls of the Hospital by members of its staff. The program is approved by the Council on Medical Education and Hospitals of the American Medical Association and by the American Society of Clinical Pathologists. During the final year of the program each student in satisfactory academic standing is eligible to receive a scholarship of \$555 from the Hospital.

Upon entering the School of Science, a student selects the field in which she intends to specialize. The courses which she must take to acquire professional competence in this field are listed below. By a wise selection of courses in the second-year program it is usually possible for the student who is undecided in which of two related fields to specialize to postpone her final choice until the third-year program is determined. A student who wishes to prepare for a professional objective in science for which the normal programs are unsuitable may usually arrange, in consultation with the Director of the School, a special program to meet her needs.

FIRST
YEAR

The arrangement of this program is described in the section entitled "The First-Year Class."

Specialization in Biology

SECOND YEAR	Vertebrate Morphology I and II (Biol. 23-1, 24-2) Analytical Chemistry I and II (Chem. 25-1, 26-2) College Algebra and Trigonometry (Math. 10-1) <i>or</i> College Mathematics (Math. 11-1) Analytic Geometry and Calculus I (Math. 23-2) Electives (8 sem. hrs.)
THIRD YEAR	Basic Bacteriology (Biol. 32-1) General Physiology (Biol. 31-2) Organic Chemistry (Chem. 31) General Physics (Phys. 11) <i>or</i> Analytic Geometry and Calculus II and III (Math. 24-1, 25-2) Seminar in Biology Electives (8 sem. hrs.)
FOURTH YEAR	Biochemistry (Biol. 41) Pathogenic Bacteriology (Biol. 45-1) Parasitology and Mycology (Biol. 47-1) Cytology and Histology (Biol. 42-2) Immunology and Virology (Biol. 46-2) Seminar in Biology Electives (8 sem. hrs.)

Specialization in Chemistry

SECOND YEAR	Analytical Chemistry I and II (Chem. 25-1, 26-2) General Physics (Phys. 11) Analytic Geometry and Calculus II and III (Math. 24-1, 25-2)* Electives (8 sem. hrs.)
THIRD YEAR	Organic Chemistry (Chem. 31) Physical Chemistry (Chem. 41)† Electives (16 sem. hrs.)
FOURTH YEAR‡	Advanced Inorganic Chemistry (Chem. 47-1) <i>and/or</i> Biochemistry (Chem. 46-1) Qualitative Organic Analysis (Chem. 44-1)

* If chemistry and biology were taken during the first year, Mathematics 10 or 11 and Mathematics 23 should be elected in the second year and Mathematics 24 and 25 in the third year.

† If Mathematics 24 and 25 are taken in the third year, Chemistry 41 should be taken in the fourth year.

‡ Through 1963-64 only, students who have not taken Physical Chemistry (Chem. 41) in their third year must take this course in their fourth year and need not elect Chem. 47-1 or Chem. 42-2.

Advanced Organic Chemistry (Chem. 42-2)
 Advanced Analytical Chemistry (Chem. 45-2)
 Seminar in Chemistry (Chem. 51)
 Electives (12 or 16 sem. hrs.)

Specialization in Mathematics

SECOND YEAR	Analytic Geometry and Calculus II and III (Math. 24-1, 25-2) General Physics (Phys. 11) Electives (16 sem. hrs.)
THIRD YEAR	Differential Equations (Math. 30-1) Introductory Modern Algebra (Math. 42-1) <i>or</i> Probability and Statistics (Math. 41-1) Applied Mathematics (Math. 43-2) <i>or</i> Numerical Methods (Math. 35-2) Modern Geometry (Math. 33-2) <i>or</i> Finite Mathematics (Math. 40-2) Seminar in Mathematics Electives (16 sem. hrs.)
FOURTH YEAR	Advanced Calculus I and II (Math. 31-1, 32-2) Probability and Statistics (Math. 41-1) <i>or</i> Introductory Modern Algebra (Math. 42-1) Numerical Methods (Math. 35-2) <i>or</i> Applied Mathematics (Math. 43-2) Finite Mathematics (Math. 40-2) <i>or</i> Modern Geometry (Math. 33-2) Seminar in Mathematics Electives (12 sem. hrs.)

*Specialization in Physics **

SECOND YEAR	Analytic Geometry and Calculus II and III (Math. 24-1, 25-2) General Chemistry (Chem. 11 <i>or</i> 12) Mechanics (Phys. 23-1) Electricity and Magnetism (Phys. 21-2) Electives (8 sem. hrs.)
THIRD YEAR	Optics (Phys. 33-1) <i>or</i> A.C. Circuits and Electronics I (Phys. 36-1) Thermal Physics (Phys. 35-2) <i>or</i> A. C. Circuits and Electronics II (Phys. 37-2) Atomic Physics (Phys. 42-1) <i>or</i> Theoretical Physics I (Phys. 44-1) Nuclear Physics (Phys. 43-2) <i>or</i>

* A student who did not elect Physics 11 in her first year must arrange her schedule in consultation with the chairman of the Physics Department.

Theoretical Physics II (Phys. 46-2)
 Differential Equations (Math. 30-1)
 Applied Mathematics (Math. 43-2)*
 Seminar in Physics
 Electives (8 or 12 sem. hrs.)†

FOURTH YEAR A.C. Circuits and Electronics I (Phys. 36-1) *or*
 Optics (Phys. 33-1)
 A. C. Circuits and Electronics II (Phys. 37-2) *or*
 Thermal Physics (Phys. 35-2)
 Theoretical Physics I (Phys. 44-1) *or*
 Atomic Physics (Phys. 42-1)
 Theoretical Physics II (Phys. 46-2) *or*
 Nuclear Physics (Phys. 43-2)
 Applied Mathematics (Math. 43-2)*
 Seminar in Physics
 Electives (12 or 16 sem. hrs.)†

Specialization in Physical Therapy

SECOND YEAR Elementary Physics (Phys. 10)
 Microbiology (Biol. 21-2)
 Physical Education in Physical Therapy I (Phys. Ed. 21)
 Introduction to Psychology (Psych. 20-1)
 Child Psychology (Psych. 30-2)
 Electives (12 sem. hrs.)

THIRD YEAR Human Anatomy (Biol. 22-1)
 Human Physiology (Biol. 34-2)
 Physical Education in Physical Therapy II (Phys. Ed. 31)
 Physical Therapy Lectures
 Electives (24 sem. hrs.)

Recommended:

The Psychology of Adjustment (Psych. 31-1 or 2)

FOURTH YEAR These courses are taken in the final year and a half. With the exception of *Biology 49*, they are given at the affiliated hospitals.

Therapeutic Exercise (Phys. Th. 41-123)
 Advanced Human Anatomy (Phys. Th. 30-12)
 Electrotherapy (Phys. Th. 39-12)
 Massage (Phys. Th. 40-1)
 Psychology of the Handicapped (Phys. Th. 32-2)
 Orthopedic and General Surgery (Phys. Th. 33-23)
 Medicine (Phys. Th. 35-3)
 Hydrotherapy (Phys. Th. 42-3)
 Ethics and Administration (Phys. Th. 43-23)
 Clinical Practice (Phys. Th. 44-23)
 Orientation to Nursing Techniques (Phys. Th. 45-23)
 Applied Physiology (Biol. 49-1)

* Offered in alternate years.

† Those students planning to study physics in graduate school should elect Advanced Calculus I and II (Math-31-1, 32-2).

Psychiatry (Phys. Th. 36-3)
 Pathology (Phys. Th. 37-2)
 Neurology (Phys. Th. 34-3)
 Cerebral Palsy (Phys. Th. 46-3)
 Functional Training (Phys. Th. 47-3)
 Occupational Therapy (Phys. Th. 48-3)

Specialization in Orthoptics

SECOND YEAR	Biological Science (Biol. 10) General Physics (Phys. 11) Introduction to Psychology (Psych. 20-1) Child Psychology (Psych. 30-2) Electives (8 sem. hrs.)
THIRD YEAR	Optics (Phys. 33-1) Human Anatomy (Biol. 22-1) Human Physiology (Biol. 34-2) Microbiology (Biol. 21-2) Electives (16 sem. hrs.)
FOURTH YEAR	The course work is given at the Massachusetts Eye and Ear Infirmiry except for <i>Orthoptics</i> 43, at the Harvard Medical School, and the elective, at Simmons College. Physiological Optics (Orth. 43) Orthoptics (Orth. 47) Elective (4 sem. hrs.)

Specialization in Medical Technology

SECOND YEAR	Analytical Chemistry I and II (Chem. 25-1, 26-2) Microbiology (Biol. 21-2) Human Anatomy (Biol. 22-1) College Algebra and Trigonometry (Math. 10-1) <i>or</i> College Mathematics (Math. 11-1) Analytic Geometry and Calculus I (Math. 23-2) Electives (8 sem. hrs.)
THIRD YEAR	Human Physiology (Biol. 34-2) Parasitology and Mycology (Biol. 47-1) Organic Chemistry (Chem. 31) Electives (16 sem. hrs.)
FOURTH YEAR	These courses are taken at the Beth Israel Hospital in the twelve months immediately following the close of the third academic year. Clinical Chemistry (Med. Tech. 40) Blood Grouping and Banking (Med. Tech. 41-2) Medical Bacteriology (Med. Tech. 42) Histologic Techniques (Med. Tech. 43) General Diagnostic Methods (Med. Tech. 45)

II. ONE-YEAR PROGRAM IN MEDICAL TECHNOLOGY FOR COLLEGE GRADUATES

A few college graduates who have had sufficient training in science may be admitted to the final year of the program in medical technology. Such students are awarded the Diploma in Diagnostic Laboratory Science upon successful completion of the courses.

III. DEGREE PROGRAMS FOR COLLEGE GRADUATES

Programs in biology, chemistry, physics, or physical therapy are open to qualified college graduates who have majored in these fields. The degree of Master of Science is awarded to candidates who have completed successfully a program totalling at least thirty-two semester hours.* Courses open to graduate students only must be included to the extent of at least sixteen semester hours. Eight semester hours are devoted to original research, the results of which must be submitted in the form of a thesis which includes a review of the specialized field and a bibliography. At the discretion of the Department, the candidate may be required to demonstrate a reading knowledge of at least one modern language other than English. The work must ordinarily be completed within two consecutive years.

IV. ONE-AND-ONE-HALF-YEAR PROGRAM IN PHYSICAL THERAPY FOR COLLEGE GRADUATES AND GRADUATE NURSES

Properly qualified college graduates and graduate nurses may be admitted to the final year and a half of the program in physical therapy, and are awarded the Diploma in Physical Therapy upon successful completion of the courses. Preference is given to applicants who offer eight semester hours each in general biology, physics, and chemistry, and four each in anatomy and physiology. Students must also have completed twelve semester hours in the social sciences, including at least six in psychology.

V. ONE-YEAR PROGRAM IN ORTHOPTICS FOR COLLEGE GRADUATES

A few college graduates who have had sufficient training in science may be admitted to the final year of the program in orthoptics. Such students are awarded the Diploma in Orthoptics upon successful completion of the courses.

* The rules governing degree candidacy are stated on page 169.

School of Home Economics

I. FOUR-YEAR PROGRAMS

The School of Home Economics offers four-year undergraduate programs in preparation for the wide variety of interesting and challenging positions open to the college graduate professionally trained in home economics, or in preparation for graduate work in foods, nutrition, and public health nutrition. At the end of the general first year the student selects the area of specialization in which she is primarily interested. With the guidance of the Director she arranges her program to fit her individual needs and professional goal. The programs which lead to the degree of Bachelor of Science are planned to achieve a balance between general education essential for all college women, and professional education essential for well-qualified, competent home economists.

Program in Home Economics Education

For the student interested in teaching or extension work, preparation in all aspects of home economics is desirable. This affords sound subject-matter training for teaching foods, nutrition, home management, clothing, textiles, family relations, and child development. Courses in education, as well as supervised teaching of home economics in junior and senior high schools, qualify her to teach in public or private elementary and secondary schools. The same type of preparation is necessary for those who wish to become home demonstration agents or 4-H Club leaders.

Program in Child Development

The student interested in teaching may select the program in child development. A graduate of this program is prepared to work with young children in nursery schools and day-care centers. Preparation includes experience with children of nursery school age as well as consideration of preschool program planning and child growth and development.

Well-qualified students enrolled in either the home economics education or the child development specialization may spend one semester of the junior or senior year in concentrated study of human development at The Merrill-Palmer Institute in Detroit.

Program in Consumer Services

The consumer services specialization is designed for the students who wish careers as home economists in business—with advertising agencies, magazines and newspapers, equipment, food, and utility companies, and test kitchens. Preparation in all aspects of home economics is included, with additional emphasis on courses in journalism and advertising. During the senior year field experience is arranged on an individual basis.

Program in Institution Management and Dietetics

The student who follows the institution management and dietetics specialization meets the requirements for a dietetic internship. She also satisfies the academic requirements for membership in The American Dietetic Association, a prerequisite for many positions in the field of dietetics.

Program in Foods and Nutrition

The student who completes the foods and nutrition specialization is prepared for many kinds of positions requiring a basic understanding of food and its nutritional value. Opportunities in business, laboratories, public health agencies, and the extension services are available to the young woman whose undergraduate preparation has emphasized foods and nutrition. In some cases a year of graduate study is required in order for the student to become fully qualified for these fields. Many universities offer fellowships and graduate assistantships in teaching and research to students with a strong background in foods, nutrition, and the biological sciences who wish to work for the master's degree.

The programs in the School of Home Economics* are as follows:

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
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Specialization in Home Economics Education

SECOND YEAR	Foods and Nutrition (H.Ec. 23-1 or 2) Clothing (H.Ec. 20-1 or 2) Introduction to Psychology (Psych. 20-1) Design (H.Ec. 22-1) Historical and Philosophical Backgrounds of Education (Ed. 20-2) Child and Adolescent Growth and Development (H.Ec. 35-2) Electives (8 sem. hrs.)
THIRD YEAR	Home Management (H.Ec. 34-1 or 2) Advanced Foods (H.Ec. 33-1) Tailoring (H.Ec. 30-2) Field Experience in Home Economics Education (H.Ec. 36-1) The Nature of Classroom Teaching (Ed. 30-1) Textiles (H.Ec. 21-2) Nutrition (H.Ec. 25-2) Electives (8 sem. hrs.)
FOURTH YEAR	Curriculum and Methods in the Teaching of Home Economics (H.Ec. 54-1) Student Teaching (H.Ec. 55-1)

* These programs assume completion of Biology 10 and Chemistry 11 or 12 in the first year.

Consumer Education (H.Ec. 47-1)
 Family Relations (H.Ec. 57-2)
 School and Teacher in American Society (Ed. 45-1)
 Professional and academic electives (12 sem. hrs.)

Specialization in Child Development

SECOND YEAR	Foods and Nutrition (H.Ec. 23-1 or 2) Clothing (H.Ec. 20-1 or 2) Introduction to Psychology (Psych. 20-1) Design (H.Ec. 22-1) Historical and Philosophical Backgrounds of Education (Ed. 20-1) Child and Adolescent Growth and Development (H.Ec. 35-2) Electives (8 sem. hrs.)
THIRD YEAR	Field Experience in Home Economics Education (H.Ec. 36-1) Children's Books and Periodicals (Pub. 38-1) Home Management (H.Ec. 34-1 or 2) Nutrition (H.Ec. 25-2) Consumer Education (H.Ec. 47-2) Early Childhood Programs: Methods and Materials (H.Ec. 48-1) Electives (12 sem. hrs.) <i>Recommended:</i> Psychology, Sociology
FOURTH YEAR	Advanced Child Development (H.Ec. 38-2) Family Relations (H.Ec. 57-2) Experience with Children (H.Ec. 49-2) Electives (20 sem. hrs.)

Specialization in Consumer Services

SECOND YEAR	Design (H.Ec. 22-1) Organic Chemistry (Chem. 20-1) Introduction to Psychology (Psych. 20-1 or 2) Foundations of Business Administration (Bus. 24-1) Foods and Nutrition (H.Ec. 23-2) Clothing (H.Ec. 20-2) English elective (4 sem. hrs.) Elective (4 sem. hrs.)
THIRD YEAR	Advanced Foods (H.Ec. 33-1) Home Management (H.Ec. 34-1) Journalism (Pub. 30-1)

Article Writing (Pub. 31-2)
 Nutrition (H.Ec. 25-2)
 Textiles (H.Ec. 21-2)
 Electives (8 sem. hrs.)

FOURTH YEAR Consumer Education (H.Ec. 47-1)
 Individual Study in Home Economics (H.Ec. 59-1)
 Advertising Policies and Methods (Bus. 50-2)
 Demonstration Techniques (H.Ec. 37-2)
 Electives (16 sem. hrs.)

Specialization in Institution Management and Dietetics

SECOND YEAR Foods and Nutrition (H.Ec. 23-1)
 Introduction to Psychology (Psych. 20-1)
 Organic Chemistry (Chem. 20-1)
 Biochemistry (Chem. 21-2)
 Human Physiology (Biol. 34-2)
 Historical and Philosophical Background of
 Education (Ed. 20-2)
 Electives (8 sem. hrs.)

THIRD YEAR Child and Adolescent Growth and Development
 (H.Ec. 35-1 or 2)
 Advanced Foods (H.Ec. 33-1 or 2)
 Home Management (H.Ec. 34-1 or 2)
 Institutional Accounting (Bus. 39-1)* or
 Social Science elective (4 sem. hrs.)
 Microbiology (Biol. 21-2)
 Nutrition (H.Ec. 25-2)
 Electives (8 sem. hrs.)

FOURTH YEAR Institution Management (H.Ec. 52-1)
 Advanced Nutrition (H.Ec. 45-1)
 Institutional Accounting (Bus. 39-1)* or
 Social Science elective (4 sem. hrs.)
 Diet Therapy (H.Ec. 46-2)
 Modern Business Management (Bus. 45-2)
 Personnel Principles and Policies (Bus. 56-2)
 Electives (8 sem. hrs.)

Specialization in Foods and Nutrition

SECOND YEAR Foods and Nutrition (H.Ec. 23-1)
 Introduction to Psychology (Psych. 20-1)
 Organic Chemistry (Chem. 20-1)

* Offered in alternate years.

~~Biochemistry (Chem. 21-2)~~

Historical and Philosophical Backgrounds of Education
(Ed. 20-2)

Microbiology (Biol. 21-2)

Electives (8 sem. hrs.)

THIRD
YEAR

Advanced Foods (H.Ec. 33-1)

Home Management (H.Ec. 34-1)

Nutrition (H.Ec. 25-2)

Biochemistry (Chem. 21-2)

Human Physiology (Biol. 34-2)

Electives (12 sem. hrs.)

FOURTH
YEAR

Advanced Nutrition (H.Ec. 45-1)

Analytical Chemistry I (Chem. 25-1)

Experimental Foods (H.Ec. 43-2)

Demonstration Techniques (H.Ec. 37-2)

Diet Therapy (H.Ec. 46-2)

Electives (12 sem. hrs.)

Special programs may be arranged to prepare for specific fields such as: Research in Foods, Clothing and Textiles.

II. PROGRAM FOR COLLEGE GRADUATES

A graduate program in home economics education leading to the degree of Master of Science is offered in a series of five summer sessions. One or two graduate courses are offered in a late afternoon or Saturday program during each semester of the academic year, thus making it possible to complete degree requirements in fewer than five summers. Full information is contained in a bulletin which may be obtained from the Director of the School of Home Economics.

School of Nursing

The School of Nursing aims through its programs of study to prepare students for initial employment in professional nursing and for graduate study.

The School believes that liberal and professional education are essential components of nursing education; that professional nursing is practiced with greater depth of understanding and ability by the nurse who has integrated concepts gained through a combination of broad knowledge of the arts with natural, behavioral, and medical sciences; and that the nurse functions in co-operation with allied and paramedical groups to serve the public in areas of health promotion, disease prevention, rehabilitation, and care of the sick.

The School of Nursing believes that learning experiences should be carefully selected and planned to provide maximum opportunity for the practice of individualized patient care with an understanding of the implications of health and illness to the person and his family. Thus, the student is enabled to transfer common principles of nursing care, by the use of sound judgment based on knowledge, to the care of numbers of individuals. The School further believes that academic excellence can be stimulated in a climate where each student may work to develop her own potential as a responsible, self-directing member of her profession and her community.

The School of Nursing offers two programs leading to the baccalaureate degree. The Basic Professional Program is designed for high school graduates who wish preparation for nursing correlated with collegiate education. The General Nursing Program is designed for registered nurse graduates of state-approved hospital or junior college schools of nursing who wish a liberal education combined with supplementary basic professional education.

Graduates of the Basic Professional Program are eligible for state examinations required for the registration of professional nurses. Both programs are approved by the Accrediting Service of the National League for Nursing and include preparation for public health nursing.

In addition to the regular programs of the School of Nursing, the College offers instruction to the preclinical students who have been admitted to the schools of nursing of the Children's and New England Deaconess Hospitals of Boston.

I. BASIC PROFESSIONAL PROGRAM

The purpose of this five-academic-year program is to provide for qualified applicants a broad scientific, academic, and professional base whereby they may develop social consciousness, sound professional attitudes, and beginning competencies in nursing.

A wide range of hospitals and public health agencies within walking or

commuting distance of the College are selected by the College in order to secure extensive practice opportunities for students. The College faculty guides and directs the practice of students in the agencies.

There are several distinct advantages of this program. (1) It enables the student to secure both a liberal education and professional preparation in nursing. (2) Nursing theory and practice are geared to the maturity and capacity of the college student. (3) There is opportunity for students to elect courses in areas of special interest. (4) Students live on campus and are thus able to participate in college activities throughout the program.

All courses in the program must be satisfactorily completed before the degree may be awarded. The College reserves the right to exclude students whose progress in theory or practice is unsatisfactory.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class.."
SECOND YEAR	Human Anatomy (Biol. 22-1) Introduction to Psychology (Psych. 20-1) Fundamentals of Nursing (N. 21) Personal and Professional Relationships in Nursing (N. 22-1) Elements of Nutrition (H.Ec. 26-1) Group Dynamics (N. 23-2) Human Physiology (Biol. 34-2) Microbiology (Biol. 21-2) Pharmacology (N. 24-2)
THIRD FOURTH AND FIFTH YEARS	Electives (28 sem. hrs.) Introduction to Sociology (Soc. 20-1 or 2) The Development of Contemporary Society (Soc. St. 10) Human Growth and Development (N. 35-2) Medical-Surgical Nursing I (N. 31-1) Medical-Surgical Nursing II (N. 33-2) Maternity Nursing (N. 41-1 or 2) Nursing of Children (N. 43-1 or 2) Psychiatric Nursing (N. 51-1 or 2) Seminar in Nursing (N. 52-2) Community Health (N. 53-1 or 2) Nursing in Disaster (N. 55-1)

For the basic fees for all Simmons College students see the section on "Expenses." Students in the School of Nursing have additional expenses approximately as follows:

Second Year

Uniforms

\$50

Third Year

Uniforms	\$35
Transportation	\$50

Fourth Year

Uniforms	\$35
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Fifth Year

Uniforms	\$35
Transportation	\$50

See the section on "Residence" for living arrangements.

Students who wish part-time employment during the academic year and full-time summer employment are encouraged to seek the assistance of the College Placement Office. Students are advised not to seek employment in hospital nursing services, and the School of Nursing uniform may be worn only during the practice periods regularly scheduled by the School.

IV. GENERAL NURSING PROGRAM

Qualified registered nurses who wish to work toward their Bachelor of Science degree are admissible to the General Nursing Program. It is designed to enable the student to complete the requirements for the baccalaureate degree with a major in nursing. Graduates of this program are prepared for first-level positions in all areas of nursing and for graduate study. Advanced standing for previous education in nursing and for courses taken in other accredited colleges and universities may be granted on an individual basis. See pages 40 and 41 for admission requirements. Students whose basic preparation did not include psychiatric nursing theory and practice will be required to make up this deficiency.

The program is planned on a six-semester basis to permit the student to achieve the objectives of Simmons College in both general and professional education. The final 32 semester hours of work must be completed at Simmons College. Students are expected to complete the program within a period of not more than six years. For other degree requirements, see page 169.

The first four semesters are designed to enrich the student's background in academic areas—the humanities, biological sciences, and social sciences. This program draws on the total resources of the College as well as the School of Nursing. In the final year upper-division nursing courses are presented in which theory and practice are taught concurrently with guided practice in a variety of community health agencies.

The program consists of the following courses or their equivalent:

SECOND	Electives (16 sem. hrs.)
AND	Electives in English (8 sem. hrs.)*
THIRD	Introduction to Psychology (Psych. 20-1 or 2)
YEARS	Introduction to Sociology (Soc. 20-1 or 2)
	The Development of Contemporary Society (Soc. St. 10)
	Biological Science (Biol. 10)
	Electives in Science (8 sem. hrs.)
	Group Dynamics (N. 23-1)
	Human Growth and Development (N. 35-2)
	Social Foundations of Nursing (N. 25-1)
FOURTH	Electives (16 sem. hrs.)
YEAR	Comprehensive Nursing (N. 45-1)
	Community Health (N. 53-2)

V. HALF-YEAR PROGRAM IN PREPARATION FOR SCHOOLS OF NURSING

By an arrangement with the Children's Hospital Medical Center and the New England Deaconess Hospital, students who are admitted to the schools of nursing in those institutions are received by the College for one semester of instruction in the scientific subjects necessary for their professional work. This program is as follows:

Anatomy and Physiology (Biol. A)
 Bacteriology (Biol. B)
 Chemistry (Chem. A)
 Foods and Nutrition for Nurses (H.Ec. A)
 Elements of Psychology (Psych. A)

* Chosen individually on the basis of previous education and placement tests.

COURSES OF INSTRUCTION

The requirements for each year in the various programs are shown on the preceding pages in the outlines of the programs in each school. Any changes in the courses listed, which may seem advisable because of the varying objectives of the students, are subject to the approval of the director of the school in which the student is enrolled. It must be understood that the College reserves the right to make changes in the courses announced or to omit any course for which there is insufficient enrollment.

A course which occupies a fourth of the full-time effort of a student for one year, irrespective of the actual number of class exercises, is assigned credit of eight semester hours. A course which occupies a smaller fraction of a student's effort is assigned credit in the same ratio. A class period occupies forty-five minutes.

Courses indicated by letter (*e.g.* Chemistry A) are not counted toward a degree, unless taken in connection with additional work prescribed by the Faculty.

In the course numbers the digit following the dash indicates the half-year during which the course is given. The 0 indicates a course given for the full college year, the 1 and 2 indicate first and second half-years. An S preceding the course number indicates a summer course.

Introduction to the College

The freshman course concerning Simmons and its programs. The first half-year is intended to assist the first-year student in her adjustment to new responsibilities and environment. Talks are given on study habits and techniques, health, social relationships, self-understanding, and other pertinent subjects.

During the second half-year the Directors describe the offerings of their Schools. The Chairmen of Divisions discuss the elective courses in academic subjects. Vocational information is presented by the Director of Placement and by the Directors of Schools. Individual conferences with the Directors of Schools give the freshmen opportunities for questions and discussion. MISS CLIFTON and special lecturers.

Language, Literature, and the Arts

ENGLISH

Voice Conference

During the orientation period in September all first-year students take a brief oral reading test to determine who can benefit from a short program of voice recordings and individual conferences for improving speech. MISS MILLIKEN.

10-0. Reading and Writing

8 semester hours

Intensive training in reading and writing of college caliber. Writing assignments related to readings in significant literary texts of past and present. Class discussions and individual conferences upon writing assignments. MISS MATLACK, MISS MILLIKEN, MR. NITCHIE, MR. STERNE, MR. L'HOMME, MR. LANGER, MR. PERRY, MISS MCKENNA.

Offered: as a year course, though on recommendation of the instructor the first semester may be taken separately for four semester hours of credit.

11-0. Readings in Twentieth-Century Literature

8 semester hours

For first-year students whose placement tests indicate unusual ability in English. Discussion of twentieth-century novelists, poets, and critics of literature and society. Frequent critical papers. MR. L'HOMME, MR. LANGER, MR. PERRY.

Offered: as a year course, though on recommendation of the instructor the first semester may be taken separately for four semester hours of credit.

20-0. American Writers

8 semester hours

Reading in major American writers such as Jonathan Edwards, Jefferson, Hawthorne, Emerson, Melville, Henry James, William James, Eugene O'Neill, E. A. Robinson, and Faulkner to illustrate their relation to English and Continental literature and to fundamental American issues like Puritanism, transcendentalism, pragmatism, and the democratic tradition. Critical papers, written after conference with the instructor. MR. STERNE, MR. ———.

Prerequisite: English 10 or 11 or the equivalent.

21-0. English Literature of the Nineteenth Century

8 semester hours

Major British writers of the Romantic and Victorian periods: Wordsworth, Byron, Shelley, Keats, Carlyle, Ruskin, Mill, Newman, Arnold, and Pater. Six critical papers written after conference with the instructor. MR. L'HOMME.

Prerequisite: English 10 or 11 or the equivalent.

22-0. Problems in English Literature of the Nineteenth Century

8 semester hours

Intensive analysis of certain philosophic, social, and artistic trends in Continental as well as English writers. A series of critical reports written after consultation with the instructor. MR. SYPHER.

Prerequisite: English 10 or 11 or the equivalent, and consent of the instructor.
Enrollment: limited.

24-1. Spoken English**4 semester hours**

Training in the definition, support, organization, and effective presentation of ideas in a variety of speech situations; improvement of speaking habits through conferences with the instructor and practice with the tape recorder. MISS MILLIKEN.

Prerequisite: English 10 or 11 or the equivalent.

25-1. The Short Story**4 semester hours**

Appreciation of the short story, with emphasis on the longer, or novella form, including James, Conrad, Joyce, D. H. Lawrence, Mann, Gertrude Stein. Three papers, one of which may be narrative. MISS MATLACK.

Prerequisite: English 10 or 11 or the equivalent.

[27-2. Practice in Writing**4 semester hours**

For those who, after completing *English 10* or its equivalent, need further experience in writing.

Prerequisite: consultation with the instructor.

Not offered in 1963-64.]

28-2. English Language—Its Growth and Use**4 semester hours**

A brief history of the English language and the effects of its growth on vocabulary, grammar, idiom, and general usage in the spoken word as well as in literature.

MISS MILLIKEN.

Prerequisite: English 10 or 11 or the equivalent.

29-2. Contemporary Drama**4 semester hours**

Twentieth-century playwrights from O'Neill to the present. Attendance at productions in Boston and vicinity. MISS MATLACK.

Prerequisite: English 10 or 11 or the equivalent.

30-2. The Bible**4 semester hours**

The major religious and ethical preoccupations of Biblical writers. Intensive study of Old Testament narrative, chronicle, poetry, and prophecy, and New Testament gospels and letters. MR. GREENE.

Prerequisite: English 10 or 11 or the equivalent.

32-0. Special Studies in American Literature**8 semester hours**

Intensive consideration of major American writers from Edwards to Faulkner, supplemented by extensive reading and class discussion of related English and Continental works. Critical papers, written after conference with the instructor. MR. STERNE.

Prerequisite: English 10 or 11 and consultation with the instructor.

33-1. English Literature and Society in the Age of Donne and Milton**4 semester hours**

Discussion of such figures as Donne, Jonson, Bacon, Milton, Hobbes, and Dryden, and of the literary, religious, and philosophic conflicts of the seventeenth century.

MR. NITCHIE.

Prerequisite: English 10 or 11 or the equivalent.

34-2. English Literature and Society in the Age of Enlightenment

4 semester hours

Readings in Swift, Pope, Johnson, and other significant eighteenth-century writers illustrating the currents of thought in a cosmopolitan age. Supplementary comment on painting, gardening, furniture, and architecture. MR. GREENE.

Prerequisite: English 10 or 11 or the equivalent.

35-1. Shakespeare

4 semester hours

Analysis and interpretation of major plays, with comment on the theatre of Shakespeare's London. Elective for third- and fourth-year students. MR. SYPHER.

36-1. The English Novel

4 semester hours

Major British novelists from the eighteenth century to the present, including Richardson, Fielding, Austen, Dickens, Eliot, Hardy, Lawrence, Joyce, and Snow.

MR. GREENE.

Prerequisite: English 10 or 11 or the equivalent.

37-1. The Continental and American Novel

4 semester hours

Intensive reading of novels by Melville, Dostoevsky, Mark Twain, James, Gide, Faulkner, Mann, and Camus, treated as examples of the art of fiction. The intellectual background and thematic continuity and variation from the nineteenth century to the present. MR. LANGER.

Prerequisite: English 10 or 11 or the equivalent.

39-2. Modern Poetry

4 semester hours

The principal poets from Thomas Hardy to Dylan Thomas, particularly such dominant figures as W. B. Yeats, T. S. Eliot, and W. H. Auden. MR. NITCHIE.

Prerequisite: English 10 or 11 or the equivalent.

40-1. Types of Drama

4 semester hours

Important plays of the western world. Analysis of dramatic themes and techniques in the works of such writers as Sophocles, Plautus, Marlowe, Jonson, Molière, Racine, Ibsen, Chekhov, and O'Neill. MR. ———.

Prerequisite: English 10 or 11 or the equivalent.

42-2. Introduction to Poetry

4 semester hours

English lyric poetry from Chaucer to the present. The forms, conventions, and styles of the various periods. The backgrounds in Greek and Latin, Provençal, Italian, and French poetry. Parallel developments in American and Irish poetry. MR. L'HOMME.

Prerequisite: English 10 or 11 or the equivalent.

[43-1. Shaw]

4 semester hours

The plays, prefaces, and criticism of George Bernard Shaw. Discussion of his times and his theatre.

Prerequisite: English 10 or 11 or the equivalent.

Not offered in 1963-64.]

[44-2. The English Renaissance

4 semester hours

Some of the principal authors and works in England from 1500 to 1625. Characteristic Elizabethan and Jacobean playwrights such as Marlowe, Kyd, Greene, Ben Jonson, Webster, and Ford. The Elizabethan "novel" and romance, the rise of lyric poetry and satire, and the development of the English Bible. Attention to historical background.

Prerequisite: English 10 or 11 or the equivalent.

Not offered in 1963-64.]

65-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

For other writing courses, see *Publication 30, 31, 32, 33, 34, 35.*

COMPARATIVE LITERATURE**80-2, 81-1. Problems in Literature**

4 or 8 semester hours

80-2. Problems in Western Romanticism. Selected texts, chiefly of the nineteenth century, in English, French, and German literature, the latter in translation. The complex nature of romanticism and its relationships to post-Renaissance and modern culture. Short critical papers. MR. NITCHIE.

81-1. Literature and Society. Social, moral, and metaphysical problems in the work of modern writers like Steinbeck, Faulkner, Bellow, Orwell, Huxley, Braine, Mauriac, Camus, and Butor. Short critical papers. MR. STERNE.

Prerequisite: English 10 or 11 or the equivalent. *Offered:* As a year course, or either half may be taken separately.

82-1. Studies in the Modern Novel

4 semester hours

Intensive reading in the writings of such twentieth-century novelists as Henry James, Marcel Proust, Thomas Mann, and one Japanese novelist. MISS MATLACK.

Prerequisite: English 10 or 11 or the equivalent.

83-2. Criticism

4 semester hours

A review of different methods of criticism—psychological, social, philosophical, aesthetic, religious, and ethical—applicable to literature and the arts. MR. SYPHER.

Prerequisite: consent of the instructor.

84-2. Greek and Latin Literature in Translation

4 semester hours

Readings in ancient epic, drama, and philosophy. MR. NITCHIE.

Prerequisite: English 10 or 11 or the equivalent.

85-1. Medieval Literature

4 semester hours

The literature of continental Europe and Britain from the decline of classical culture to the Renaissance, including epics like *Beowulf* and the *Nibelungenlied*, romances like *Tristan and Isolt* and *Gawain and the Green Knight*, and the principal works of Dante and Chaucer. MR. L'HOMME.

Prerequisite: English 10 or 11 or the equivalent.

87-2. Russian Literature in Translation

4 semester hours

Major Russian and Soviet authors, including Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, Chekhov, and Pasternak. Emphasis upon intellectual and social influences. MR. LANGER.

Prerequisite: English 10 or 11 or the equivalent.

88-2. Six Great Poems

4 semester hours

Discussion of *The Odyssey*, *The Divine Comedy*, *The Faerie Queene*, and *Paradise Lost*. Two shorter works to be added according to students' interests. MR. PERRY.

Prerequisite: English 10 or 11 or the equivalent.

89-1. Mythology

4 semester hours

An intensive study of Greek mythology, with some attention to Roman and Nordic mythology. The central myths will be illustrated by readings in such ancient works as the Homeric hymns, Hesiod's *Theogony*, Ovid's *Metamorphoses*, and selected Greek and Roman plays, and in such modern adaptations as Sartre's *The Flies*, Gide's *Oedipus* and *Theseus*, and O'Neill's *Mourning Becomes Electra*. MR. PERRY.

Prerequisite: English 10 or 11 or the equivalent.

FRENCH**10-0. Beginning French**

8 semester hours

Study of pronunciation, grammar, and vocabulary to develop ability to understand, speak, read, and write simple French. The student acquires a mastery of vocabulary and syntax needed for more advanced courses, or if necessary, for reading independently. MR. ADDELSON.

20-0. Intermediate French

8 semester hours

For those who have already studied French, but whose placement scores indicate they are not yet ready for *French 25* or *28*. An intensive review of grammar, oral practice, and reading of modern French texts of graduated difficulty. Students with a grade of B or better may go directly into *French 31, 32* or *34, 35*. MISS CARSON, MR. -----.

25-0. Intermediate French

8 semester hours

For those who have had two or three years of secondary-school French and who would benefit from a more advanced second-year course. More emphasis on the spoken language than in *French 20*. Normally followed by *French 33* or *34, 35* or *31, 32*. MISS CARSON, MR. -----.

28-0. Readings in French Literature and Civilization

8 semester hours

Reasonably sound preparation in French grammar presumed. Classes conducted in seminar fashion; discussions insofar as possible in French. However, ability to speak French is not prerequisite, as such ability is developed during the course of the year. Reading of selected materials to gain an understanding of French civilization and culture. Prepares for *French 31, 32*. MR. NEWMAN, MR. ADDELSON, MISS CARSON, MR. -----.

31-1, 32-2. Major French Writers*

4 or 8 semester hours

Intensive reading of masterworks of such figures as Rabelais, Montaigne, Racine, Molière, Rousseau, Voltaire, Hugo, Stendhal, Balzac, and Baudelaire. Introduction to the major trends in French literature and thinking from the Renaissance to the present day. Prerequisite to all advanced courses in French literature. *Lectures and class discussion in French.* MISS CARSON.

33-1. Spoken French

4 semester hours

Intensive semester course for students of superior aptitude in French language. Two class meetings a week and four hours of individual oral-aural practice in language laboratory. MR. NEWMAN.

Prerequisite: consent of the instructor.

34-1, 35-2. Conversation and Composition

4 or 8 semester hours

During the first half-year, concentration, with individual assistance, upon pronunciation, enunciation and intonation, and drill in the everyday French idiom to gain facility and correctness of expression. During the second half-year, individualized readings as a basis for oral and written reports on aspects of French civilization. *Conducted in French.* MR. NEWMAN, MR. ———.

Prerequisite: French 25 or 28 or consent of the instructor.

41-1, 42-2. The Age of Classicism†

4 or 8 semester hours

An investigation into the sources of classical aesthetics in the sixteenth century, with an intensive study of the major figures of the century of Louis XIV. MR. NEWMAN.

Prerequisite: French 31, 32 or consent of the instructor.

[43-1, 44-2. The Age of Reason†

4 or 8 semester hours

A chronological study of the *esprit philosophique* of the Enlightenment, together with a study of other currents of eighteenth-century thought and culture, such as sentimentalism, neoclassicism, rococo.

Prerequisite: French 31, 32 or consent of the instructor.

Not offered in 1963-64.]

45-1, 46-2. French Literature from the Revolution to the Third Republic†

4 or 8 semester hours

The emergence and development of modern French literature through pre-romanticism, romanticism, and the later movements of realism, naturalism, *parnasse*, and symbolism. MR. ADDELSON.

Prerequisite: French 31, 32 or consent of the instructor.

[47-1, 48-2. Contemporary French Literature†

4 or 8 semester hours

Selected readings in modern French literature from symbolism to the present time. Readings from such figures as Baudelaire, Mallarmé, Rimbaud, Verlaine, Apollinaire, Proust, Gide, Mauriac, Duhamel, Camus, Sartre, Giraudoux, Anouilh.

Prerequisite: French 31, 32 or consent of the instructor.

Not offered in 1963-64.]

* Not divisible except by special permission.

† Offered in alternate years.

65-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

GERMAN**10-0. Beginning German**

8 semester hours

Development of reading ability, with essentials of grammar. Elementary reading material followed by short stories and other narrative prose. Oral-aural practice.

MR. KLEIN, MR. ———.

20-0. Advanced German

8 semester hours

Continuation of *German 10*. Practice in accurate translation, followed by readings in narrative, critical, and dramatic literature. Introduction to German history and civilization. Extensive outside reading. Regular practice in conversation. MR. KLEIN,

MR. ———.

Prerequisite: German 10 or the equivalent.

30-1. Goethe's Faust and the Faust Legend in European Literature*

4 semester hours

The representative work of the "representative man" of his age: sources of the Faust legend, its dramatization by Marlowe in *Dr. Faustus*, and, chiefly, its significance as the expression of Goethe's views. Outside reading in other works of Goethe. Written reports. MR. KLEIN.

Prerequisite: German 20 or the equivalent.

31-2. Contemporary German Literature*

4 semester hours

Short stories, essays, and Novellen by representatives of the leading trends in German literature since 1900, *e.g.* Carossa, Thomas Mann, Heinrich Mann, Hesse, Brecht, Goes, and Bergengruen. Parallel readings in other European and American writers. Oral and written reports on collateral reading. MR. KLEIN.

Prerequisite: German 20 or the equivalent.

[32-2. Modern German Drama*

4 semester hours

German drama from 1890 to the present as an expression of changing esthetic, cultural, and social ideas. Naturalism (Hauptmann, Holz, and Schlaf), symbolism (von Hofmannsthal), expressionism (Wedekind, Toller, Georg Kaiser, Brecht), post-war drama (Dürrenmatt, Zuckmeyer, Max Frisch, Billinger). Collateral readings in such dramatists as Ibsen, Strindberg, Chekhov, O'Neill, Wilder, Miller, Anouilh.

Prerequisite: German 20 or the equivalent.

Not offered in 1963-64.]

[33-1. Classical Age of German Literature*

4 semester hours

Literature of the *Goethezeit*. The sources of German Classicism and Romanticism in

* Offered in alternate years.

Hamann, Herder, Klopstock, Rousseau, Wieland, and in the *Sturm und Drang*. Dramas by Lessing, Schiller, and Goethe (not including *Faust*).

Prerequisite: German 20 or the equivalent.

Not offered in 1963-64.]

SPANISH

10-0. Introduction to Spanish

8 semester hours

Intensive oral practice combined with elements of grammar and the reading of contemporary literary texts. Lectures and papers to acquaint the student with the civilization and culture of the Hispanic world. MRS. HELMAN, MRS. MARICHAL, MR. ———.

20-0. Hispanic Civilization

8 semester hours

Review of basic principles of pronunciation and grammar, critical reading and discussion of modern texts of Hispanic literature and civilization. For students who have completed *Spanish 10* or its equivalent. Prepares for *Spanish 31, 32 and 34, 35*.

MRS. HELMAN, MRS. MARICHAL, MR. ———.

25-0. Twentieth-Century Readings

8 semester hours

Contemporary Hispanic literature supplemented by a rapid grammar review and oral-aural practice in the laboratory. For students of high achievement in the placement test or in *Spanish 10*. Prepares for all 30 courses. MRS. HELMAN, MRS. MARICHAL.

31-1, 32-2. Literature of the Spanish People

4 or 8 semester hours

Major works of Spanish literature from the Middle Ages to the present. The emergence of literary forms studied against the background of the contemporary society.

MRS. HELMAN, MRS. MARICHAL.

Prerequisite: Spanish 20 or the equivalent. (Not divisible except by special permission.)

33-1. Spoken Spanish

4 semester hours

Intensive oral-aural practice in two class meetings and three individually planned laboratory hours. For majors and students of superior language aptitude.

MRS. MARICHAL.

Prerequisite: consent of the instructor.

34-2. Conversation and Composition

4 semester hours

Laboratory exercises, oral reports, and themes based on current Spanish and Spanish-American texts and periodicals. Language review and practice writing.

MRS. MARICHAL.

Prerequisite: consent of the instructor.

35-1. Major Writers of Modern Spanish America

4 semester hours

The intellectual development of the independent Spanish American Republics as reflected in the essay and novel from Sarmiento through the novel of the Mexican Revolution. MRS. HELMAN.

Prerequisite: Spanish 20 or the equivalent.

[41-1. Spanish Renaissance and Baroque Prose

4 semester hours

Analysis of Spanish realism and satire in the picaresque novel, and in such authors as Quevedo and Gracián.

Prerequisite: Spanish 31, 32.

Not offered in 1963-64.]

42-2. Cervantes

4 semester hours

Cervantes' contribution to the development of the modern novel; a close study of *Don Quixote* and some of the exemplary novels. MRS. MARICHAL.

Prerequisite: Spanish 31, 32.

[43-1. Types of Spanish Drama

4 semester hours

The Spanish Theatre from the Middle Ages to the present, with special emphasis on Lope de Vega, Calderón, and García Lorca.

Prerequisite: Spanish 31, 32.

Not offered in 1963-64.]

[44-2. Epic and Lyric Poetry

4 semester hours

The great poets and main themes from the origins of Spanish poetry to the twentieth century; the texts are supplemented by recordings.

Prerequisite: Spanish 31, 32.

Not offered in 1963-64.]

[45-1, 46-2. Spanish History and Literature of the Nineteenth and Twentieth Centuries

4 or 8 semester hours

Prerequisite: Spanish 31, 32.

Not offered in 1963-64.]

47-2. Advanced Language and Style

4 semester hours

Review of recent trends in romance linguistics. Different methods of literary interpretation applied in the analysis of specific texts. Seminar reports and papers provide opportunity for students to work directly on problems of teaching language and literature. MRS. HELMAN.

Prerequisite: Spanish 31, 32.

65-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

RUSSIAN

10-0. Beginning Russian

8 semester hours

Drill in grammar, vocabulary, translation, and simple conversation to give a basic knowledge of Russian that can be extended according to interest or need.

MISS MAMIKONIAN.

20-0. Intermediate Russian

8 semester hours

Review and completion of basic syntax correlated with reading of graded prose and periodical literature. Continued practice in writing and intensive work on vocabulary and idiomatic command of language. MISS MAMIKONIAN.

Prerequisite: Russian 10 or two years of secondary-school Russian.

LATIN**21-1, 22-2. Major Latin Writers**

4 or 8 semester hours

Reading and discussion of certain major writers intended for those who wish to continue Latin beyond secondary school. In the first semester, prose, including Cicero's essays, Pliny, Sallust, and Livy. In the second semester, drama and poetry: Terence, Plautus, Virgil, Ovid, Horace, Catullus, and Lucretius. The literary value of these authors and their contribution to Western culture. MR. ———.

Prerequisite: three or more years of secondary-school Latin, and consent of the instructor. *Offered:* as a year course, though either semester may be taken separately.

ART HISTORY**20-1, 2. Introduction to the Arts**

4 semester hours

Characteristics of the arts of four periods of major importance in Western art: ancient, medieval, renaissance, and modern. Rapid transition between periods and emphasis on study of masterpieces. For those who will continue in the arts and those whose programs allow but one semester of art. Guidance in the Boston collections. MR. ———, MR. BUSH.

21-1. The Italian Renaissance

4 semester hours

Painting, sculpture, and architecture of the period of Da Vinci, Michelangelo, and Titian. The contributions of these artists to succeeding periods and their significance to the present. Introductory to baroque and modern periods. Guidance in the Renaissance collections of Boston. MR. ———.

22-2. Arts of the Far East

4 semester hours

The Asiatic tradition from pre-Buddhist sculpture in India to painting in modern Japan. The great periods of China—Han, T'ang, and Sung—and landscape painting in Japan. One hour weekly in the Asiatic division of the Museum of Fine Arts for direct study of original material. MR. BUSH.

23-1. Arts of the Americas

4 semester hours

The pre-Columbian arts of Latin America, leading American painters from Copley to the present, architecture from colonial styles to Wright, and contemporary developments in sculpture. Guidance in the American Wing and Karolik collections of the Museum of Fine Arts. MR. ———, MR. BUSH.

24-2. Modern Art

4 semester hours

Developments from French Impressionism through Fauvism, Expressionism, Cubism, and Abstract Art; Expressionism in Germany; the Mexican renaissance and comparative trends in Europe and the United States. MR. ———, MR. BUSH.

26-1. Baroque, Rococo, and Romantic Painters

4 semester hours

Changes in European taste from Renaissance to French Impressionist eras. Caravaggio, Rubens, Rembrandt, and the baroque; Velasquez, El Greco, and their significance; Watteau, Fragonard, and Tiepolo as rococo painters; Hogarth, Goya, and Daumier as caricaturists; Géricault and Delacroix as modern romantics. Occasional reference to sculpture and architecture. Guidance in the museum collections. MR. ———, MR. BUSH.

MUSIC

20-1, 2. Introduction to Music

4 semester hours

The development of European music, with emphasis on major musical forms and the characteristics of music from the pre-baroque to Debussy. Guided listening to recordings, study of musical scores, attendance at concerts, and collateral readings.

MR. CLEAVES.

21-1. The Classical Period

4 semester hours

The music and significance of Haydn, Mozart, and Beethoven. Guided listenings to recordings, study of musical scores, attendance at concerts, and collateral readings.

MR. CLEAVES.

22-2. Contemporary Music

4 semester hours

Recent European and American musical developments, with attention to political, social, and economic influences on modern composers. Guided listening to recordings, study of musical scores, attendance at concerts, and collateral readings.

MR. CLEAVES.

23-1. Introduction to Opera

4 semester hours

The music and librettos of selected operas. Guided listening to recordings, discussion of scores and librettos, attendance at concerts, and collateral readings. MR. CLEAVES.

24-2. The Romantic Period

4 semester hours

Principal musical forms and styles from Beethoven to Debussy. Guided listening to recordings, study of musical scores, and attendance at concerts. MR. CLEAVES.

[25-1. Bach and Beethoven]

4 semester hours

Intensive study of J. S. Bach and Beethoven. Guided listening to recordings, study of musical scores, attendance at concerts, and collateral readings.
Not offered in 1963-64.]

New England Conservatory of Music

Courses in applied music and theoretical subjects regularly offered at the New England Conservatory of Music may be elected for credit by qualified students under the conditions described on page 158.

Social Studies**10-0. The Development of Contemporary Society**

8 semester hours

A course designed to provide a basic part of the general education of the student. Study of the development of western civilization to gain an appreciation of the role of modern institutions and a perspective of the culture in which we live. Emphasis on cultures and institutions in significant periods, rather than history as such. Instruction in relatively small discussion groups, supplemented by lectures, visual aids, and reading in original sources and literary works. A foundation course for further work in the social studies, but may be elected at any point in a student's college career. MR. KAHL, MR. TOLLEFSON, MR. HAWTHORNE, MR. HUNTER, MRS. MILBURN, MR. EDELSTEIN.

HISTORY**21-1, 22-2. History of American Civilization**

4 or 8 semester hours

History 21. Development of the democratic spirit and of American political and social institutions from the eighteenth century through the Reconstruction Period.

History 22. The development of American life since the Civil War and the reorientation of democracy from agrarian to urban problems as America comes of age as a society and as a world power.

Outside reading and class discussion supplement the lectures throughout the year.

MR. HAWTHORNE, MR. HALKO, MR. EDELSTEIN.

Offered: as a year course, or either half may be taken separately.

[23-1. United States Colonial History]

4 semester hours

The European background of the migrations to America, the settlement of the thirteen colonies, their internal development and growth, the role they played in the British Empire, and the forces leading to the outbreak of the Revolution in 1776.
Not offered in 1963-64.]

24-1. English History

4 semester hours

A history of England from 1485 to the present with emphasis on the nineteenth and twentieth centuries. The growth of individual freedom in England and the contri-

butions of English institutions to contemporary civilization. Reading in historical sources and contemporary literature. MR. KAHL.

27-1. Nineteenth-Century Europe

4 semester hours

The political, economic, social, and cultural development of Europe between the peace settlements of Vienna and Versailles. Readings from the novels and on the political leaders of the period. MR. HUNTER.

28-2. Twentieth-Century Europe

4 semester hours

An appraisal of the efforts to reach a settlement after World War I, investigates the attempts of the several states to cope with the complexities of modern society, and examines the causes and aftermath of World War II. MR. KAHL.

31-1. American Foreign Policy

4 semester hours

America in world politics from 1939 to the present, with special emphasis on current problems in American foreign relations. Includes a research project and a paper. MR. HAWTHORNE.

33-1, 34-2. A History of American Thought

4 or 8 semester hours

History 33. Examination of the major ideas and thinkers in the United States from Colonial times through the Civil War, utilizing a wide variety of unabridged printed sources: diaries, biographies, essays, fiction, and poetry. MR. EDELSTEIN.

History 34. An analysis of American thought and attitudes from 1860 to the present. MR. HAWTHORNE.

A seminar with extensive reading, a major critical paper, and an examination on the reading.

Prerequisite: course work in American history or literature. *Offered:* as a year course, or either half may be taken separately.

35-2. Modern Russia

4 semester hours

The development of Russia's social, cultural, political, and economic institutions, with special emphasis on evidences of similarity and contrast between the Imperial and Soviet periods. Readings from Russian literature. Class discussions and a term paper on contemporary Russia. MR. HUNTER.

36-1. English Constitutional History, 1066-1776

4 semester hours

The principal events in the development of the English constitution with emphasis upon those institutions which contributed to the concept of individual liberty. Special attention to the growth of Parliament and to theories of representative government in England and the American colonies. Readings in contemporary documents. MR. KAHL.

37-2. American Constitutional History, 1789 to the Present

4 semester hours

The development of American law as reflected in historic judicial decisions. Special emphasis on English antecedents of American law, and the issues of states rights and civil liberties. MR. HALKO.

38-2. Modern France

4 semester hours

The history of France from the old regime to the present, with emphasis on political, social, and economic institutions and on the changing roles of France in European affairs. MR. HUNTER.

65-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

ECONOMICS**20-0. Contemporary Economic Society**

8 semester hours

The basic principles governing the operation of our economy. Introduction to the primary laws of economics through a description of the operation of the price system under conditions of free competition, monopoly, and governmental regulation. Problems of money, prices, population, government finance, depressions, inflation, income distribution, and international trade. A basic course for students in the School of Social Science. Lectures and discussion. Members of the Department.

31-1. Elements of Statistics

4 semester hours

A "non-mathematical" beginning course in statistical methods. Brief treatments of data collection and presentation, together with a more detailed and extensive coverage of data analysis, including measures of central tendencies, dispersion, sampling reliability, and simple linear correlation. Lectures, discussion, and exercise work.

MR. NICHOLS.

32-2. Economic and Social Statistics

4 semester hours

An advanced course in statistical methodology and an introduction to the theory of statistics, with special application to sampling reliability and control study, multiple and partial correlation, linear programming, the derivation and application of index numbers, and time series, together with time series correlation, and the derivation and application of certain business measures based on financial statements. Lectures, discussion, and exercise work. MR. NICHOLS.

Business Statistics, see Business 36.

35-2. Money and Banking

4 semester hours

Money, credit, financial institutions, with emphasis on commercial banks and the Federal Reserve System. The relation of monetary and fiscal policy to price levels and economic fluctuations. Historical backgrounds, theory, problems, and policy emphasized. MR. SMITH.

Prerequisite: Economics 20.

36-1. Labor and Industrial Relations

4 semester hours

History and present status of unionism in the United States, labor-management relations, and the evolution of public policies; economic issues in collective bargaining;

the impact on labor, management, and the public of automation, changing patterns of economic activity, and related developments. MR. ROSEN.

Prerequisite: Economics 20.

[38-1. Economics of Consumption*]

4 semester hours

The influences acting on the consumption of wealth and the place of consumption in the economic system; the forces that determine how, what, where, and why consumers buy; the structure of the market in which consumers buy; and the methods—legislative, cooperative, and otherwise—to improve the position of consumers. Discussion and reports.

Prerequisite: Economics 20.

Not offered in 1963-64.]

39-1. International Trade*

4 semester hours

Economic principles underlying foreign trade, showing why trade takes place between regions and countries and the mutual gains from such trade. Commercial policy in the United States, relating tariff and other trade policies to their political background. How goods and services are paid for between nations; the effect of trade on prices and production. International investments and foreign aid programs. Current developments, such as the Common Market. MR. SMITH.

Prerequisite: Economics 20.

41-2. Intermediate Economic Theory

4 semester hours

Advanced study of problems and methods in price-setting and income distribution; input-output analysis and the study of structural problems and relations; case studies of firms and industries; market structures, decisions, and dynamics. MR. ROSEN.

Prerequisite: Economics 20.

[42-1. Investments*]

4 semester hours

Closely related to *Economics 43, Corporation Finance*. Securities from the investor's point of view, including securities issued by business enterprises of various types and by governmental units. Investment programs, methods of evaluating individual securities, the markets for securities, and factors affecting the levels of security prices.

Prerequisite: Economics 20.

Not offered in 1963-64.]

43-2. Corporation Finance*

4 semester hours

The problems and policies of the modern corporation in the field of finance. Methods of attracting the original capital, determining the proper capitalization, types of securities and marketing them, financing the current operations of the business enterprise, sources and uses of short-term credit, distribution of the corporate income, expansion, consolidation, and failure, government control of corporate financing.

MR. NICHOLS.

Prerequisite: Economics 20.

* Offered in alternate years.

[44-2. Government and Business

4 semester hours

The economic, legal, and social aspects of government regulation in the United States applied to production, consumption, distribution, and exchange. Common law background, statutory enactments and court interpretations pertaining to such areas as anti-trust, banking and securities institutions, the regulation of prices including the setting of rail and utility rates, international combinations, and fair trade laws. The social and economic aspects of public compared to private ownership of utilities in the United States. Lectures, discussion, and term papers.

Prerequisite: Economics 20.

Not offered in 1963-64.]

45-2. Economic Development

4 semester hours

The meaning of "underdevelopment"; problems faced by emerging economies, and assessment of alternative systems for solving them; role of the industrialized nations in development; competition and cooperation among power blocs and developing economies; international institutions and the future of development. MR. ROSEN.

Prerequisite: Economics 20.

65-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

SOCIOLOGY

20-1, 2. Introduction to Sociology

4 semester hours

Theoretical analysis of social structure, social functions and dysfunctions, conformity, deviation, and social change. Factual emphasis on the institutions of "total" societies, thus on family and other kin groups, economic and political institutions, religion, and social classes. Emphasis on large "advanced" societies, but some attention also to primitive (non-literate) societies. MR. JOHNSON, MRS. THEODORE.

31-2. The Family

4 semester hours

The structural principles necessary in all kinship systems, with brief treatment of the most important ranges of variation. Readings on marriage and the family in various societies. Main emphasis on courtship, marriage, and the family in the United States; basic structural characteristics, trends of change, and "practical" problems insofar as sociology can illuminate them. MRS. THEODORE.

Prerequisite: Sociology 20.

32-1. Minority Problems

4 semester hours

The relations between dominant groups and ethnic and religious minorities in the United States and other parts of the world. Imperialism and the rise of counter-active nationalism. MR. JOHNSON.

Prerequisite: Sociology 20.

34-2. Social Problems

4 semester hours

A rather detailed analysis of the causes of selected social problems such as crime and delinquency, inadequate housing, and medical care. Proposed solutions and

sources of resistance to them. In these controversial fields an attempt is made to be as factual as possible and to illustrate certain broad aspects of all social problems (including ones not explicitly treated.) MR. JOHNSON.

Prerequisite: Sociology 20.

35-1. The Sociology of Religion

An exploration of the basic elements of religions; the personality and social functions of religion; the basic kinds of religious variation; the causes and effects of religious change; and the interrelations between religion and other aspects of society, e.g., politics, economic activity, scientific research, and social class. Seminar topics dependent on the size of enrollment and on student interests. Lectures, common readings, and individual seminar reports. MR. JOHNSON.

No prerequisites.

40-1. Introduction to the Fields of Social Work

4 semester hours

Fields of social work, their background, and present status and goals. A discussion group to acquaint students with the social agencies and institutions, and the conditions and concepts from which they have emerged. Field trips to observe welfare work.

Open to third- and fourth-year students and to graduate students who are interested in social work and allied fields. MR. RUTHERFORD, MISS KELLEY.

GOVERNMENT

21-1. Government in the United States — Federal System

4 semester hours

Analysis of the institutional development of American national government, emphasizing the Presidency, Congress, and the Supreme Court. Special attention to the political process, parties, pressure groups, and the bureaucracy. MR. MILES.

22-2. Government in the United States — Urban and State Politics

4 semester hours

The policy-making process and governmental problems experienced by state and by city and town governments. Major emphasis upon the systems in the Commonwealth of Massachusetts and the urban centers around Boston. Problems include governmental responsibility and authority, constitutional changes, transportation, urban development and planning, housing, and health. Lectures on specific problems, studies of several states and metropolitan areas, and publications of the states and urban centers. Observations of some phases of each governmental system in action.

MRS. MILBURN.

23-1. Classical and Early Modern Political Theory

4 semester hours

The central themes and principles of classical political thought, Christian variations on the classical themes, and the nature of the rationalist break with that thought during the Renaissance and Enlightenment. Among the philosophers considered: Plato, Aristotle, Cicero, Augustine, Aquinas, Machiavelli, Hobbes, Locke, and Rousseau. MR. TOLLEFSON.

24-2. Political Theory During the Last Two Centuries

4 semester hours

The main tendencies in political thought during the last two centuries, in particular the underlying principles of the historical, positivist, and existential schools of thought,

concluding with an examination of the principles underlying the behavioral and social sciences today. Among the philosophers and thinkers: Mill, Marx, Nietzsche, Freud, Dewey, Niebuhr, and Kelson. MR. TOLLEFSON.

30-1. Governments in the Modern World — European

4 semester hours

The two extreme patterns for governmental structure—representative democracy and dictatorship—and the institutions and procedures through which governmental decisions are made. The systems of some western and eastern European states and comparative analyses of their decision-making processes. MRS. MILBURN.

31-2. Governments in the Modern World — Asian and African

4 semester hours

Problems faced by some of the old and new indigenous governments in Asia and Africa. The success of attempts to incorporate representative-democratic features in areas which had not known, to any extent, such governmental responsibilities. Sources for the course include a number of related books and visiting lecturers.

MRS. MILBURN.

32-2. International Relations

4 semester hours

The nation state as the unit of international relations; the elements which give substance to the foreign policy of the nation state; the limitations of international law, organization, and opinion on actions of nation states; the essential policies of major powers; problem areas in the present-day world, and problems such as disarmament, atomic energy, and east-west trade. MR. TOLLEFSON.

40-1. Public Administration

4 semester hours

Basic principles, practices, and problems of administrative organization and management in modern American governmental units. MR. MILES.

41-2. Seminar in Public Administration

4 semester hours

Basic problems in American administrative experience such as planning, personnel practices, organization and methods procedures, and budgeting. Individual or group reports. MR. MILES.

Prerequisite: consent of the instructor.

42-1. Public Opinion, the Mass Media, and American Democracy

4 semester hours

Participation of the modern communications media in American politics. The role of public opinion in obtaining thoughtful deliberation and wise decision making from political leaders working in the modern media setting. Media participation in the election process and the problem of media control within the constitutional framework. MR. TOLLEFSON.

43-1, 2. Reading and Research

4 semester hours

Open to students in governmental affairs wishing to do advanced work in the area with a member of the government department. Members of the Department.

Prerequisite: consent of the Director.

44-2. Science and Government

4 semester hours

The impact of scientific development on the United States government. Public policy in this area including personnel, security arrangements, atomic development, and administration, with emphasis on the role of the scientist in politics and the special problems involved in research and development. MR. MILES.

45-1. Modern Political Parties

4 semester hours

Effect of parties in the governmental process. Comparisons of party structures and functions in various governmental systems including experiences of the United States, and European and developing countries. Some emphasis upon local, regional, and national orientations. Analysis of the one-party, two-party, and multiparty systems.

MRS. MILBURN.

65-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

American Foreign Policy, see History 31-1.

Philosophy and Psychology

PHILOSOPHY

20-1. Problems of Philosophy

4 semester hours

Important philosophic problems and some of the dominant modes of thought exemplified by individual thinkers. Readings from the pre-Socratics, Plato, Aristotle, Augustine, Descartes, and Hume. MR. ANDERSON.

21-2. Logic and Knowledge

4 semester hours

Argument and inference, inquiry and truth—the nature of formal and material knowledge. Initial work with classical modes of reasoning and with elementary techniques of propositional logic leads to such questions as definition, language and validity, explanation and verification, and the grounds of belief. MR. ANDERSON.

Students are urged to take either *Philosophy 20* or *21* whenever possible, before taking any of the following courses.

22-2. Philosophy of Religion

4 semester hours

Consideration of the meaning and value of religious belief. Brief study of primitive religion and of selected features of world religions leads into sustained evaluation of the basic concepts within the Judaeo-Christian tradition. MR. ANDERSON.

23-1. Modern Philosophy

4 semester hours

Reading and discussion of important philosophers from the Renaissance to Kant. Emphasis is placed on the relations of individual viewpoints to wider currents of modern

thought, as well as on the critical study of original works. MR. ANDERSON.

Prerequisite: *Philosophy 20* or *21*, or consent of the instructor.

24-1. Ethical Theories

4 semester hours

Study and criticism of some representative conceptions of the right and the good, freedom and responsibility, justice and power, aiming primarily at awareness and understanding of recurrent problems, rather than at comprehension of total philosophical viewpoints. MR. ANDERSON.

[25-2. American Philosophy

4 semester hours

Outstanding nineteenth- and twentieth-century interpretations of man and his place in nature, from Post-Darwinian Naturalism and Idealism to present-day radical criticisms of traditional philosophy advanced by Positivism and Existentialism. Works read and studied include selections from Peirce, James, Santayana, Whitehead, Dewey, and Blanshard.

Prerequisite: *Philosophy 20* and *23*, or consent of the instructor.

Not offered in 1963-64.]

[26-1. Man, Self, and Society

4 semester hours

Readings in selected philosophies of mind and human nature, including such writers as Marx, Schopenhauer, Spencer, Nietzsche, Bergson, Dewey, and Ryle.

Not offered in 1963-64.]

27-2. Philosophy of History

4 semester hours

A study of several conceptions of historical inquiry and its object—the nature of historical knowledge and the meaning of history. Readings from Hegel, Croce, Niebuhr, Beard, and Popper. MR. ANDERSON.

PSYCHOLOGY

20-1, 2. Introduction to Psychology

4 semester hours

Methods of studying the major dimensions of human behavior: learning, perception, motivation, personality. The possibilities of a science of human behavior, and its implications. Criteria for interpreting behavioral data and evaluating competing theories.

MR. DEANE, MR. DUNBAR, MR. NEEDHAM, MR. ———.

30-1, 2. Child Psychology

4 semester hours

Methods of observing and interpreting child behavior and development. Implications of current knowledge and theory for child rearing and education. MR. LOWE.

Prerequisite: *Psychology 20*.

31-1, 2. The Psychology of Adjustment

4 semester hours

Factors which affect development of personality leading to normal adjustment or to maladjustive and neurotic behavior with emphasis on the process of learning as basic. Psychotherapy, psychosomatic, and conduct disorders considered. MISS JONES.

Prerequisite: *Psychology 20*. This course is open only to upperclass students.

32-2. Physiological Psychology

4 semester hours

A survey of the existing information regarding various behavior mechanisms—homeostasis, sensory processes, learning, motivation, emotions, sleep, and personality disorders. MR. ZIGLER.

Prerequisite: Psychology 20 and Biology 25.

33-2. The Psychology of Adolescence

4 semester hours

A systematic interpretation of adolescent development and behavior. Major theories compared and critically evaluated. Applications to teaching and guidance. Some educational psychology material included; emphasis on current developments in cognitive learning theory. Lectures, discussion sections, field projects. MR. DUNBAR.

Prerequisite: Psychology 20.

[34-1, 2. Experimental Psychology

4 Semester hours

The problems involved in the design and execution of psychological experiments.

Prerequisite: Psychology 20. This course is open only to upperclass students.

Not offered in 1963-64.]

40-2. Social Psychology

4 semester hours

Attitudes, beliefs, and values as they are influenced by the individual's social affiliations; the psychological analysis of group organization, morale, and leadership; a survey of the belief systems of representative social groups; the dynamics of social action and interaction: propaganda, mass behavior, and social conflict. MR. NEEDHAM.

Prerequisite: Psychology 20, and Sociology 20 or Psychology 31.

41-1. Principles of Psychological Measurement

4 semester hours

The nature, uses, and limitations of the fundamental varieties of psychological measurement, including some practice in test construction and administration. Elective for fourth-year students. MR. DEANE.

Prerequisite: Psychology 20 and Economics 31 and 32. Recommended: an additional elective in psychology.

42-2. Seminar in Clinical Psychology

4 semester hours

A dynamic approach to the study of human behavior through scoring and interpreting Thematic Apperception and Rorschach protocols. Case histories illustrating the major symptom-syndromes are analyzed from a diagnostic and therapeutic viewpoint.

Each student is required to present interpretive material giving evidence of understanding of psychodiagnostic procedures and of fundamental psychotherapeutic principles. Elective for fourth-year students with the approval of the instructor.

MR. DEANE.

Prerequisite: Psychology 31 and 41, plus an additional elective in psychology.

43-1, 2. Personality Theory

4 semester hours

Examination of various determinants of current systematic interpretations of personality, including psychoanalytic, social psychological, need and stimulus-response theories. MISS JONES.

Prerequisite: Psychology 31. Enrollment: limited to fifteen students.

50-1, 51-2. Psychological Field Work

4 or 8 semester hours

Field work in hospital-clinical or business and industrial settings. This course is given outside the college. Lectures by staff personnel; testing and research work under supervision.

Prerequisite: *Psychology 32*, and *Economics 31* and *32*. This course is open only to seniors in the Psychological Measurements program.

[65-2. Directed Study: Senior Thesis]

4 semester hours

Not offered in 1963-64.]

A-1. Elements of Psychology

Aims, methods, and findings of psychology with reference to the social bases of behavior, motivation, and the essentials of the learning process. Particular emphasis on individual differences, personality development, and mental hygiene as related to nursing. For students in program V in the School of Nursing. MR. LOWE.

Science**12-1. Physical Science I**

4 semester hours

An introduction to the basic concepts of physical science and to the method of scientific thought. The subject matter consists of the development of ideas concerning the nature and laws of our universe from celestial to atomic dimensions. Topics are taken from physics, chemistry, and astronomy. MR. KELLAND.

13-2. Physical Science II

4 semester hours

Some of the important results of scientific work of the last century, including electricity, atomic structure, and atomic energy; the development of the theory of the atom and its application to chemical reactions and problems in physics. MR. KELLAND.

Prerequisite: *Science 12* or consent of the instructor.

BIOLOGY**10-0. Biological Science**

8 semester hours

Fundamentals of structure, functions, general biological laws, and theories about living organisms. The development of various aspects of theoretical biology and their application to individuals, populations, and species; the life of populations and communities; and the history, science, and philosophy of evolution, with emphasis on the evolution of man. Details of cell, tissue, and system biology. Laboratory work (both plant and animal) emphasizes the modern knowledge of biophysics and biochemistry. This course or its equivalent is a prerequisite for all other courses offered by the Department of Biology. MR. RICHARDSON, MR. SOLINGER, and Members of the Department.

21-2. Microbiology

4 semester hours

The nature and types of microorganisms, the methods of effective microbial control, and theoretical and practical immunology. The microorganisms causing important human diseases are studied in detail. MISS COGHLAN, MISS -----.

Prerequisite: Biology 10 and at least one year of college chemistry.

22-1. Human Anatomy

4 semester hours

Principles of structure of the human body, both gross and microscopic, together with an elementary presentation of human embryology. The laboratory work includes the dissection of the cat as a typical mammal, with emphasis on comparisons to human structure. MR. SHEPRO.

Prerequisite: Biology 10.

23-1. Vertebrate Morphology I

4 semester hours

The essential features of functional vertebrate anatomy together with the evolutionary history of vertebrates. Emphasis is on gross anatomy. MR. SHEPRO.

Prerequisite: Biology 10.

24-2. Vertebrate Morphology II

4 semester hours

A continuation of Biology 23 with the emphasis on micro and developmental anatomy. MR. SHEPRO.

Prerequisite: Biology 23.

25-1. The Human Nervous System

4 semester hours

A discussion of the fundamental structure, development, and function of the human nervous system. Primarily for students in the Psychology pregraduate curriculum of the School of Education and in the Psychological Measurements program of the School of Social Science. MR. RICHARDSON.

Prerequisite: Biology 10.

31-2. General Physiology

4 semester hours

The nature and present status of the basic problems and methods of physiology, with emphasis on the principles of physiology common to most organisms and the general phenomena of life which have been successfully analyzed in physicochemical terms. For students in the School of Science. MR. SOLINGER, MISS KARWOSKI.

Prerequisite: Biology 10 and Chemistry 11 or 12.

32-1. Basic Bacteriology

4 semester hours

Bacterial cytology, morphology, classification, and physiology. Laboratory work is devoted to the development of the essential techniques of microscopic examination and bacterial culture as they are utilized in the study of crude and pure cultures, and in problems of bacterial identification, sanitation, testing of disinfectants and antibiotics. For students in the School of Science. MISS COGHLAN.

Prerequisite: Biology 10 and at least one year of college chemistry.

34-2. Human Physiology**4 semester hours**

Fundamental facts of physiology, its principles and modes of reasoning, together with certain clinical applications. Physiology of the human body is considered in detail. The laboratory includes individual work on contractile and nerve tissues, circulation, respiration, and sense organs. MR. RICHARDSON, MISS WEIANT, MISS KARWOSKI.

Prerequisite: Biology 22 and at least one year of college chemistry.

40-0. Conservation and Field Biology**8 semester hours**

Discussion of interrelationships among living things, and relations of living things to their environment; field trips, preservation of specimens, use of nature trails, correlation with class work. Restricted to fourth-year students specializing in the secondary school teaching of biology. MR. RICHARDSON.

41-0. Biochemistry**8 semester hours**

The chemical processes that take place not only in animals, but also in plants and microorganisms, the composition of protoplasm and the intricate biochemical reactions by which it is formed, broken down, and enabled to function, and the principles of physical and organic chemistry upon which biochemistry as such is based. Topics covered include proteins, enzymes, biological oxidation, the intermediate and general aspects of metabolism. The laboratory is used to study principles discussed in lectures, and the application of modern instrumental analysis in biochemical procedures. MR. RICHARDSON, MISS WEIANT.

Prerequisite: Biology 31 and Chemistry 31.

42-2. Cytology and Histology**4 semester hours**

The microscopic structure of the cell, cellular organization, and tissues, with emphasis on the relationship of structure to function. Laboratory exercises include training in microscopy and in cytological, histological, and histochemical techniques.

MR. SHEPRO.

Prerequisite: Biology 22 or 23.

45-1. Pathogenic Bacteriology**4 semester hours**

Principles and methods of isolating and identifying pathogenic bacteria; detailed laboratory diagnostic procedures for certain representative groups of bacterial pathogens. Emphasis is on theory. Principles of biostatistics are introduced and used as a tool in the course. For fourth-year students specializing in biology and others with the permission of the Chairman of the Department. DR. MACCREADY.

Prerequisite: Biology 21 or 32 or the equivalent.

46-2. Immunology and Virology**4 semester hours**

Specific and broad principles of immunology and epidemiology and their relation to the public health control of infectious disease; serologic tests used in the diagnosis of human disease and representative virologic and tissue-culture techniques are performed. MISS COGHLAN, MRS. DANIELS.

Prerequisite: Biology 45.

47-1. Parasitology and Mycology

4 semester hours

The study of animal parasites—the pathogenic protozoa, the helminthes, and the arthropods that cause or carry disease and the morphology, classification, and physiology of the fungi. MISS COGHLAN.

Prerequisite: Biology 32.

49-1. Applied Physiology

4 semester hours

An advanced course designed especially for physical therapy students and presupposing a general knowledge of human physiology. Two hours of lecture and two three-hour laboratory periods per week emphasizing those portions of physiology most closely allied to physical therapy; such as peripheral circulation, peripheral nerve and muscle physiology, local and general responses to temperature, radiation, and exercises. Laboratory work in experimental procedures and demonstrations illustrating the physiological responses to physical agents and their measurement.

MISS WEIANT.

Prerequisite: Biology 31 or its equivalent.

Seminar in Biology

A weekly meeting with the staff to discuss topics of current interest in biology. Required of all third- and fourth-year students specializing in biology.

A-1. Anatomy and Physiology

The fundamental structure and functions of the human body. Though dissection is confined to the cat, laboratory materials include human skeletons, life-sized manikins, anatomical models, and preserved specimens. For students in program V in the School of Nursing. MISS KARWOSKI.

B-1. Bacteriology

The fundamentals of bacteriology as a basis of the many nursing techniques. The importance of water and milk and their relation to sanitary problems are investigated. The cause, prevention, and control of the infectious diseases are studied in detail. For students in program V in the School of Nursing. MISS ———.

CHEMISTRY**11-0. General Chemistry**

8 semester hours

Both inorganic and organic materials are considered, as well as the fundamental principles upon which the science is based. MR. TIMM, MISS GRANARA, MISS ———, MRS. PRATT.

12-0. General Chemistry (Advanced)

8 semester hours

Development of modern theories which explain and correlate the descriptive facts of chemistry. Students who have successfully completed a year of chemistry in secondary school and who intend to take more advanced courses in chemistry may be selected for this course. MR. TIMM, MISS BECK, MRS. HARTMAN, MRS. DUDEK, MR. GOLDBERG, MRS. PRATT.

20-1. Organic Chemistry

4 semester hours

A study of the basic reactions of aliphatic and aromatic compounds, planned to give a background for *Chemistry 21*. Laboratory work emphasizes the general elementary techniques. Primarily for students in the School of Home Economics.

MRS. WADSWORTH.

Prerequisite: Chemistry 11 or 12.

21-2. Biochemistry

4 semester hours

Includes the study of the structures, reactions, and the role in metabolism of carbohydrates, lipids, proteins, enzymes, and hormones. MRS. WADSWORTH.

Prerequisite: Chemistry 20.

25-1. Analytical Chemistry I

4 semester hours

Designed to integrate the qualitative identification with quantitative determination of the components present in various materials. Rigorous theory developed in the classroom accompanied by correlating laboratory exercises selected to help the student become a good analyst. Some instrumental analysis. MRS. BRAUNER.

Prerequisite: Chemistry 11 or 12.

26-2. Analytical Chemistry II

4 semester hours

A continuation of *Chemistry 25*. More extensive use of instrumental, chromatographic and electrometric analysis, as well as other selected topics. MRS. BRAUNER.

Prerequisite: Chemistry 25.

31-0. Organic Chemistry*

8 semester hours

Emphasizes the fundamental reactions of aliphatic and aromatic compounds. Assigned problems in the synthesis and identification of organic compounds give practice in the application of the principles under study. Laboratory work gives practice in the elementary techniques of organic chemistry and in the synthesis of representative compounds. MISS GRANARA, MRS. HARTMAN, MR. GOLDBERG.

Prerequisite: Chemistry 11 or 12.

41-0. Physical Chemistry

8 semester hours

The modern theories of the structure of matter, of the changes which it undergoes, and of the energy relationships involved. Correlation of the descriptive facts of both organic and inorganic chemistry constituting one of the most potent means which the chemist uses in the solution of his problems. MR. TIMM, MR. GOLDBERG.

Prerequisite: Chemistry 25, 31, and Mathematics 24, 25.

42-2. Advanced Organic Chemistry

4 semester hours

The application of modern structural theories to the study of reaction mechanisms. MISS BECK.

Prerequisite: Chemistry 31.

* Class, 6 semester hours; laboratory, 2 semester hours.

44-1. Qualitative Organic Chemistry

4 semester hours

Identification and characterization of organic compounds with emphasis on laboratory techniques. MISS BECK.

Prerequisite: Chemistry 31.

45-2. Advanced Analytical Chemistry

4 semester hours

Instrumental methods of analysis including: spectrophotometric, spectrographic, polarographic, conductometric, and radiometric, as well as an extension of the potentiometric methods included in Chemistry 26. Chelometry, solvent extraction, chromatography, and ion-extraction techniques will be considered as time permits.

MRS. BRAUNER.

Prerequisite (after 1963-64): Chemistry 41.

46-1. Biochemistry

4 semester hours

A study of the chemical constituents of living matter, their functions and transformations, and the chemical and energy changes accompanying these transformations. Proteins, carbohydrates, and lipids will be discussed with emphasis on chemistry, structure, and intermediary metabolism. An understanding of kinetics and thermodynamics is desirable. MRS. HARTMAN.

Prerequisite: Chemistry 31.

47-1. Advanced Inorganic Chemistry

4 semester hours

A study of the various principles required in the systematic study of inorganic chemistry and the application of these principles to the descriptive chemistry of inorganic compounds. MRS. DUDEK.

Prerequisite: Chemistry 41 or consent of the instructor.

50-0. Undergraduate Research Project

Credit to be arranged

Open to fourth-year students specializing in chemistry. Selection of a modest research project and a preliminary search of the scientific literature, followed by the laboratory work required for the solution of the problem. Members of the Department.

Prerequisite: consent of the Chairman of the Department.

51-0. Seminar in Chemistry

2 semester hours

Required of all fourth-year students specializing in chemistry. Special topics selected from recent chemical literature presented by members of the Department and students. Insofar as possible, talks are given once a month by scientists from industry or other institutions. Third-year students are welcome and urged to attend. Members of the Department.

A-1. Chemistry

Given for students in program V of the School of Nursing. The main emphasis is on organic chemistry in order to provide a background for a better understanding of nursing procedures in general and of the physiology of the human body in particular.

MRS. WADSWORTH.

MATHEMATICS**10-1. College Algebra and Trigonometry****4 semester hours**

Equations, exponents, logarithms, binomial theorem, complex numbers; trigonometric functions, identities, conditional equations. To be followed by *Mathematics 23*.

MISS LYNCH.

Prerequisite: two years of high school algebra, one year of plane geometry, and consent of the Department.

11-1. College Mathematics**4 semester hours**

Equations and inequalities. Exponents, logarithms, mathematical induction. Determinants, complex numbers, and selected other topics. To be followed by *Mathematics 23*.

MR. HITCHCOCK.

Prerequisite: two years of high school algebra, one year of plane geometry, one semester of trigonometry, and consent of the Department.

23-1, 2. Analytic Geometry and Calculus I**4 semester hours**

Coordinates, lines, and conics. Differential and integral calculus of algebraic functions. Applications to maxima, minima, areas, volumes, and physical problems.

MR. DESUA, MR. HITCHCOCK, MISS LYNCH.

Prerequisite: *Mathematics 10* or *11*, or consent of the Department.

24-1, 2. Analytic Geometry and Calculus II**4 semester hours**

Polar coordinates; parametric equations. Calculus of transcendental functions. Technique of integration. Indeterminant forms, improper integrals, and applications.

MR. LEVERICH, MR. HITCHCOCK, MISS LYNCH.

Prerequisite: *Mathematics 23* or consent of the Department.

25-1, 2. Analytic Geometry and Calculus III**4 semester hours**

Solid analytic geometry. Infinite series, partial derivatives, multiple integration. Further applications. MR. LEVERICH, MISS WALTER, MR. HITCHCOCK, MISS LYNCH.

Prerequisite: *Mathematics 24* or consent of the Department.

30-1. Differential Equations**4 semester hours**

Methods of solving elementary differential equations. First order equations, higher order equations, and linear differential equations. Applications to the sciences.

MR. DESUA.

Prerequisite: *Mathematics 25* or equivalent.

31-1. Advanced Calculus I**4 semester hours**

Concepts of analysis; limits, continuity, sequences and series, the Riemann integral, functions of several variables, and selected other topics. MR. LEVERICH.

Prerequisite: *Mathematics 25* or equivalent.

32-2. Advanced Calculus II

4 semester hours

A continuation of *Mathematics 31*. MR. LEVERICH.*Prerequisite: Mathematics 31.***33-2. Modern Geometry***

4 semester hours

Selected topics from axiomatics; modern Euclidean, projective, and non-Euclidean geometries; Hilbert's axioms. MISS WALTER.

Prerequisite: Mathematics 24 or equivalent.**[35-2. Numerical Methods***

4 semester hours

Numerical solution of polynomial equations and differential equations. Finite differences and interpolation. Numerical differentiation and integration. Selected other topics.

Prerequisite: Mathematics 30 or equivalent.

Not offered in 1963-64.]

40-2. Finite Mathematics

4 semester hours

Mathematical logic, algebra of sets, combinatorial problems and elementary probability theory, vectors and matrices. Applications to social and behavioral sciences.

MR. DESUA.

Prerequisite: Mathematics 23 or equivalent.**[41-1. Probability and Statistics***

4 semester hours

Set-theoretic development of elementary probability; frequency distributions, measures of central tendency, correlation, and significance tests.

Prerequisite: Mathematics 24 or equivalent.

Not offered in 1963-64.]

42-1, 2

42-1. Introductory Modern Algebra*

4 semester hours

The elements of groups, rings, and fields; determinants, matrices, and selected other topics. MR. LEVERICH.

Prerequisite: Mathematics 24 or equivalent.**43-2. Applied Mathematics***

4 semester hours

Selected topics from infinite series; Fourier series and integrals; Laplace transforms; gamma, beta, and Bessel functions; vector analysis; and others. Applications to the sciences. MR. DESUA.

Prerequisite: Mathematics 30 or equivalent.

45-1

45-2. Selected Topics in Advanced Mathematics

4 semester hours

The content of this course is determined in part by the needs and interests of the students. Offered only if there is sufficient demand. Members of the Department.

Prerequisite: consent of the Department.

* Offered in alternate years.

Seminar in Mathematics

Selected topics in mathematics. Required of all third- and fourth-year students specializing in mathematics or the teaching of mathematics. Members of the Department.

PHYSICS**10-0. Elementary Physics**

8 semester hours

Lectures, demonstrations, and laboratory work in mechanics, heat, sound, electricity, optics, and atomic physics. Members of the Department.

Prerequisite: high school algebra.

11-0. General Physics

8 semester hours

Lectures, lecture demonstrations, and laboratory work in mechanics, heat, light, electricity and magnetism, and atomic physics. Calculus will be used. Members of the Department.

Prerequisite: *Mathematics 23.*

21-2. Electricity and Magnetism

4 semester hours

Topics will be chosen from among electrostatics, Gauss's Law, dielectrics, steady currents, magnetic field of a current, motion of charges in a magnetic field, electromagnetic induction, Maxwell's equations, magnetic materials, Poynting vector, electromagnetic radiation. MR. ———.

Prerequisite: *Physics 10 or 11 and Mathematics 24.*

23-1. Mechanics

4 semester hours

Topics from among dynamics of a particle, systems of particles, rigid bodies, gravitation, moving coordinate systems, and mechanics of continuous media.

MR. ———.

Prerequisite: *Physics 10 or 11 and Mathematics 23.*

[33-1. Optics*]

4 semester hours

Class and laboratory work in reflection, refraction, lenses, diffraction, interference, polarization, and dispersion.

Prerequisite: *Physics 10 or 11 and Mathematics 25 or consent of the instructor.*

Not offered in 1963-64.]

[35-2. Thermal Physics*]

4 semester hours

First and second laws of thermodynamics, the concepts of entropy, work function, and thermodynamic potentials, kinetic theory of gases, transport phenomena, Maxwellian distribution of velocities, classical and quantum statistical mechanics.

Prerequisite: *Physics 10 or 11 and Mathematics 30.*

Not offered in 1963-64.]

• Offered in alternate years.

36-1. A.C. Circuits and Electronics I*

4 semester hours

Class and laboratory in transient response of circuits, A.C. circuits and the use of complex numbers in circuit analysis, the mechanism of various types of electron emission, vacuum tubes, rectifiers, amplifiers, double triode on-off circuits, non linearity and heterodyning, electrical properties of semiconductors, lattice vibrations, band theory, and transistors. MR. VERNON.

Prerequisite: *Mathematics 25* and *Physics 10* or *11*.

37-2. A.C. Circuits and Electronics II*

4 semester hours

A continuation of *Physics 36*. Class and laboratory work. MR. VERNON.

Prerequisite: *Physics 36*.

[42-1. Atomic Physics*

4 semester hours

Class and laboratory work in radiation, the Bohr model, de Broglie waves, spectra, electron configuration of the elements, special relativity; introduction to quantum mechanics.

Prerequisite: *Physics 21, 23, and Mathematics 25*.

Not offered in 1963-64.]

[43-2. Nuclear Physics*

4 semester hours

Class and laboratory work in radioactivity, elementary particles, transmutation, nuclear structure, and cosmic rays.

Prerequisite: *Physics 42*.

Not offered in 1963-64.]

44-1. Theoretical Physics I*

4 semester hours

Topics in mechanics, electromagnetism, and statistical mechanics for which there was not enough time in the previous courses, such as Lagrange's and Hamilton's equations, canonical transformations, Snell's law, reflection, radiating electric dipole, quantum statistics, quantum mechanics, and boundary value problems. MR. KELLAND.

Prerequisite: *Physics 21, 23, and Mathematics 25*.

46-2. Theoretical Physics II*

4 semester hours

A continuation of *Physics 44*. MR. KELLAND.

Prerequisite: *Physics 44* and *Mathematics 30*,

50-0. Research in Physics

2-8 semester hours

An investigation of some special topic involving a literature search and also probably some experimental work culminating in a thesis. Open only upon invitation.

Members of the Department.

Seminar in Physics

Current topics in physics. Required of third- and fourth-year students majoring in physics. Members of the Department.

• Offered in alternate years.

PHYSICAL THERAPY

Physical Therapy Lectures

The field of physical therapy including historical background, current procedures, illustrative case histories, and observation of treatment at the Children's Hospital Medical Center. Required for third-year students in the physical therapy program.

Classes in physical therapy are held in affiliating hospitals, and are not open to students in other programs of the College.

The following courses, given in the final year and a half, are designated by the numbers 1, 2, and 3 respectively, following the dashes, to correspond to the semesters in which courses are given. (The third semester begins in the summer and continues until the end of the program.) For example, 12 following the dash indicates a course extending through the first and second semesters.

30-12. Advanced Human Anatomy

12 semester hours

Dissection of anatomical material. Lectures to correlate the anatomy of the skeletal and neuromuscular systems with functional considerations. Dissection is performed by the students. DR. TACHDJIAN and associates.

32-2. Psychology of the Handicapped

1 semester hour

Psychology as applied to individual differences, development, growth, and adjustment. Psychodynamic mechanisms with special reference to disease and trauma. Members of the Department of Psychiatry, Massachusetts General Hospital.

33-23. Orthopedic and General Surgery

4 semester hours

Nature, clinical course, and specific treatment of selected diseases and disabilities, primarily those affecting the skeletal and neuromuscular systems. DR. GREEN, DR. TROTT, DR. COLODNY, and associates.

34-3. Neurology

1 semester hour

Neuroanatomy and neurophysiology of the central, peripheral, and autonomic nervous systems. Correlation with common diseases and traumatic lesions, particularly those affecting locomotion, with symptomatology and treatment. DR. WATKINS.

35-3. Medicine

1 semester hour

Illustrated lectures on general medicine with special emphasis on those conditions in which physical therapeutic measures are effective. DR. FORD, DR. ———, and associates.

36-3. Psychiatry

1 semester hour

Classification of mental disease with symptomatology, prognosis, and principles of treatment. Illustrative case histories. DR. PRAGER.

37-2. Pathology

2 semester hours

Illustrated lectures concerning the nature and certain causes of disease, the reactions of the body to deleterious agents, and associated alterations in function.

DR. COHEN.

39-12. Electrotherapy

2 semester hours

The physical nature and physiological effects of radiant energy and various electrical currents of diagnostic and therapeutic value. Indications for use and technique of application. Lecture, demonstration and laboratory practice. DR. SHRIBER, MISS HALL.

40-1. Massage

2 semester hours

Principles and techniques of massage, and its application in physical therapy. Lecture, demonstration, and laboratory practice. MISS HALL.

41-123. Therapeutic Exercise

8 semester hours

Classification, purposes, and principles of exercise as a therapeutic agent. Techniques of performance. Anatomical, mechanical, and physiological aspects of motor activity and procedures for the evaluation of motor deficit. Selection and modifications of exercises in specific disabilities. Methods of teaching. MISS COGLAND, MRS. ZAUSMER, MISS C. WARREN, MISS IONTA, MISS A. WARREN.

42-3. Hydrotherapy

Lecture, demonstration and practice in the use of water as a therapeutic agent. Special emphasis on underwater exercise and functional activity. MISS COGLAND, MISS MCCARTHY.

43-23. Ethics and Administration

Principles of medical ethics and law for physical therapists. Interprofessional relationships, administrative responsibilities. MISS COGLAND, MISS C. WARREN, MISS IONTA, and associates.

44-23. Clinical Practice

8 semester hours

Supervised experience in the practice of physical therapy in the departments of affiliating hospitals and rehabilitation centers. Clinical instruction in the selection and development of individual or group activity. Participation with others in total patient care. 600 hours. MRS. ZAUSMER, MISS C. WARREN, MISS IONTA, MISS EIDEN, and associates.

45-23. Orientation to Nursing Techniques

Instruction, demonstration, and supervised practice in the general principles of medical asepsis, surgical dressings, and bandages; the application of splints, casts, and traction; precaution techniques; and other nursing procedures with which physical therapists should be familiar. MISS GASSMAN.

46-3. Cerebral Palsy

1 semester hour

Neurologic and pathologic mechanisms, clinical aspects, methods of evaluation and treatment. Observation in the Cerebral Palsy Unit of the Children's Hospital Medical Center. DR. BANKS, MISS LANE, and associates.

47-3. Functional Training

2 semester hours

Lecture, demonstration, and practice in teaching functional activity to the handicapped; functional evaluation tests and gait analysis; the use of crutches, braces, prosthetic appliances, and other assistive devices. MISS MCCARTHY, MISS EIDEN.

48-3. Occupational Therapy

Principles and application. 15 hours.

Members of the Occupational Therapy Department, Bay State Medical Rehabilitation Clinic.

ORTHOPTICS

Classes in orthoptics are held at the Massachusetts Eye and Ear Infirmary (except *Orthoptics 43* which is given at the Harvard Medical School) and are not open to students in other programs of the College.

43. Physiological Optics

5 semester hours

Physical and physiological optics. Given at the Harvard Medical School to postgraduate students in ophthalmology. Work on the optical bench. MR. BOEDER.

47. Orthoptics

23 semester hours

Actual work with patients under the supervision of the orthoptic technician in charge of the clinic. Lectures on the anatomy, physiology, and motility of the eye, and on refraction and perimetry. DR. JOHNSON, DR. POLLEN, DR. SLOANE, MISS STROMBERG.

MEDICAL TECHNOLOGY

Courses in medical technology are held at the Beth Israel Hospital and are not open to students in other programs of the College. They are of twelve months' duration, starting in the summer immediately after the end of the academic year.

40. Clinical Chemistry

12 semester hours

The application of modern analytical chemistry to clinical medicine. The broader aspects of human biochemistry. Laboratory work to develop proficiency in the performance of approximately twenty-five common procedures and some understanding of rare and more complicated analyses.

41-2. Blood Grouping and Banking

4 semester hours

Techniques of blood grouping, Rh typing, and cross-matching tests. Special testing for blood-group antibodies and the preparation of fractions of blood. An orientation into records, donor requirements, and bleeding technique.

42. Medical Bacteriology

6 semester hours

Methods for identifying medically important bacteria. The student is instructed how to use for the purpose of identification the characteristics of pathogenic bacteria and common saprophytes; e.g., colonial and microscopic morphology, immunologic properties, growth requirements, and biochemical reactions. A brief introduction to the diagnosis of disease by serological methods.

43. Histologic Techniques

4 semester hours

Principles of tissue staining and the methods used in preparing samples for microscopic examination. Students participate in the fixation, dehydration, paraffin imbedding, cutting, and staining of tissues removed at surgical operations and post-mortem examinations. Special techniques such as frozen section and celloidin imbedding.

45. General Diagnostic Methods

6 semester hours

The collection of samples of both venous and capillary blood; hematology; the simpler screening techniques and the morphology of stained films of peripheral blood and bone marrow; general diagnostic tests applied to other body fluids; microscopic examination of the urinary sediment; kidney physiology.

Publication

30-1. Journalism

4 semester hours

The discipline of straight, factual writing in reporting and in editorial and feature writing. MR. FESSENDEN, MR. POOLE.

31-2. Article Writing

4 semester hours

Writing articles for publication. Study and discussion of published material; and reading, discussion, and criticism of student work. MR. FESSENDEN, MR. POOLE.

Prerequisite: Publication 30.

32-2. Writing on Assignment

4 semester hours

For students preparing for work on newspapers or other publications. Much of the writing is completed during the class period, directly on the typewriter, from detailed assignments. Attention is also given to planning features, copyreading, head writing, and make up. MR. FESSENDEN.

Prerequisite: Publication 30. Enrollment: limited to twenty students.

33-2. Advanced Composition I

4 semester hours

A "free-writing" course. Each student may write in whatever form or forms interest her; the only requirements are that each student complete a required amount of writing

and revision. Reading, discussion, and criticism of the students' writing.

MR. BOSWORTH.

Prerequisite: Publication 30 and consent of the instructor. *Enrollment:* limited to twenty students.

34-2. Advanced Composition II

4 semester hours

For students who have completed *Publication 33* and wish to continue with a second semester of writing under instruction. Each student meets individually with the instructor. MR. BOSWORTH.

Prerequisite: Publication 33 and consent of the instructor. *Enrollment:* limited to twelve students.

35-1. Publicity

4 semester hours

For students looking forward to work in public relations. Institutional and educational publicity, and practical training in publicity procedure: analyzing the needs of the client, outlining campaigns, and preparing and placing copy. Special attention to preparation of radio programs, plays, continuity, and to editing script for radio.

MR. FESSENDEN.

Prerequisite: Publication 30.

36-2. Advertising Copy Writing

2 semester hours

Advertising form and style and the writing of advertising copy. Projects and criticism, with some general reading in the theory and practice of advertising.

It is recommended that this course be taken in the senior year by students who have already completed the course in advertising offered by the School of Business Administration, *Business 50*. *Enrollment:* limited to sixteen students.

MISS WOODBURY.

37-2. Magazine and Industrial Editing

2 semester hours

For students who look forward to editorial employment on consumer and industrial publications. Various specialized types of editing: the woman's magazine, the trade publication, the house organ, the company report, personnel handbook, and industrial publicity. Study and discussion of the problems of consumer and industrial writing and editing, the study of models, and the writing and criticism of individual projects. Experts from the field talk to the class about their specialties. MISS WILLIAMS.

38-1. Children's Books and Periodicals

2 semester hours

A brief survey of children's literature with emphasis on the reading interests and abilities of various age groups and present tendencies in writing and publishing for boys and girls. MRS. VIGUERS.

40-2. Copy and Proof

4 semester hours

Exercises and tests, based on the *Manual of Style* and *Words into Type*, to develop a professional attitude toward the problems of "form" and "style" in the preparation of copy for publication, and in the techniques and problems of reading proof.

MR. BOSWORTH.

41-0. Introduction to the Graphic Arts

4 semester hours

The fundamentals of printed material. The development of writing and printing; typography and its application in books, magazines, and advertising; illustration techniques; reproduction methods. MR. VALZ.

42-1, 2. Graphic Arts Laboratory

2 semester hours

A pressroom course in the techniques of converting copy into print. Student project in both letterpress and offset. MISS BRATTON.

43-0. Editing and Publishing Techniques

4 semester hours

Advanced technical problems in book, magazine, and industrial publishing: printing methods, illustrations, types of paper, book and magazine design, costs of production, literary contracts, and laws governing the press. Visits to editorial and publishing offices, printing and engraving plants, and paper mills. MR. VALZ.

Prerequisite: Publication 41 and 42.

44-2. Editing and Publishing Project

2 semester hours

Student choice of subject matter, with instructor's approval. A fully prepared publication from idea to manufacturing specifications, including writing, editing, design, production, and promotion. MISS BRATTON.

Prerequisite: Publication 41, 42, and 43.

45-1. Graphic Design

4 semester hours

The principles of pure design as applied to the problems of graphic presentation in black and white and in color, in the design of advertising, magazines, and books. MISS BRATTON.

Prerequisite: Publication 41 and 42.

46-1, 2. Publishing Laboratory

4 semester hours

Each student assists, under the direction of the editor, in the editing and publishing of the College magazine. The various editorial and technical processes involved in the publication of a magazine are performed by the students under professional guidance. MISS WILLIAMS.

Prerequisite: Publication 41 and 42.

Field Study

An important and required part of the professional training in the fourth year is senior field study. Each spring all fourth-year and graduate students in the School of Publication leave the College for two weeks of field study in the area of their choice. Students have done their field study in book and magazine publishing, in journalism and public relations, and in radio, television, and advertising. When the field study is to be done away from Boston, students must plan for their own maintenance during the two-week period.

Library Science

55-1. Cataloguing and Classification

4 semester hours

The principles and practices of descriptive cataloguing and classification and subject cataloguing, with their application to various types of libraries. MISS LEONARD.

57-2. Technical Services

4 semester hours

Continuation of *Library Science 55*. General library methodology in acquisition and public service areas and the organization and care of special materials. Policies and organization of the catalogue department. MISS COLVIN.

101-1, 2, S101. The Library as a Social Institution

4 semester hours

The significance of libraries and librarianship in society, the history of American libraries, the functions, services, and standards of the modern library. Library services on local, regional, state, national, and international levels.

Visiting lecturers; optional tours of libraries in the Boston area on Tuesday afternoons in the first semester. MISS LEONARD, MR. BOUDREAU, and special lecturers.

S106. School Library Service

4 semester hours

The functions and activities of a high school library in relation to modern educational development and objectives. Considers the school librarian and staff, service clubs, instruction in the use of books and libraries, planning and equipping the library room, and other problems of administration and routine. MRS. PRICE.

107-1, 2, S107. Reference Methods

4 semester hours

Fundamental reference sources, bibliographical method and search techniques, the philosophy and administrative aspects of reference work. MISS KINNEY, MR. GALVIN. (S107, MISS KINNEY, MR. KEOUGH.)

108-1, 2, S108. Bibliographical Methods and Government Publications

4 semester hours

All types of bibliographical presentations from the standpoint of technique and use, significance of bibliographical controls, and reference and research methodology. Study of administrative problems in reference service in large public, college, and university libraries.

Government publications as sources of reference and research information; their acquisition and organization. MISS KINNEY.

Prerequisite: Library Science 107.

109-1, 2, S109. Literature of the Social Sciences

4 semester ho

Development of the various divisions of the social sciences and contributions of the leaders in each field. The course assumes subject competence, and is concerned with the materials which will serve the needs of library users, both scholars and general readers. Students investigate the standard works, organizations and their publications, reference works, bibliographic sources, and government documents. Lectures, reading

and discussion of current writings, and the preparation of bibliographies serve to orient students in basic concepts and trends. MISS EDGE, MR. BERRY.

110-1, 2, S110. Service to Adult Readers

4 semester hours

Reading interests and habits of adults, and the various means by which the library may stimulate and guide the community in the effective use of library materials and services. Nature of the reading process and the techniques of interviewing and counseling in preparation for readers' advisory service. Community agencies and group methods are examined and the use of audio-visual materials investigated for effective program making. MISS EDGE. (S110, MR. ALLEN.)

113-1, 2, S113. Literature of the Humanities

4 semester hours

Basic concepts and contemporary trends in the literature of the humanities form a background for the study of all kinds of standard and current works, reference materials, and bibliographic sources consulted by the general public as well as research scholars. Reading, class discussion, and investigation of reference materials.

MR. GALVIN, MISS EDGE. (S113, MR. BERRY, MR. DZIURA.)

Prerequisite: Library Science 107.

114-2. Organization and Administration of Special Libraries

4 semester hours

Principles of organization and administration of specialized types of libraries. The functions, services, and activities of special librarians who administer libraries or information centers in such organizations as business or legal firms, scientific laboratories, hospitals, medical societies, museums, government agencies, graduate professional schools, and university departmental libraries. Acquisition, organization, and servicing of materials in these special libraries. Each student may concentrate on his or her own field of interest or objective. Directed observation. MISS KINNEY.

Prerequisite: Library Science 107 and 115.

115-1, 2, S115. Cataloguing and Classification: Introduction

4 semester hours

Problems of control of library collections through study of principles, functions, and practices of descriptive and subject cataloguing, classification, and processing operations. Comparison of cataloguing records for different library installations.

MISS COLVIN, MR. MOSTECKY. (S115, MR. MOSTECKY, MISS O'CONNOR.)

117-1, 2. Cataloguing and Classification: Comparative Study

4 semester hours

Comparative study of classification systems (particularly the Library of Congress), subject heading lists, cataloguing codes, and library catalogues. Analysis and organization of serial and government publications, nonbook materials, and special collections. MISS COLVIN.

Prerequisite: Library Science 115.

118-2, S118. Technical Service

4 semester hours

Technical services with emphasis on organization and administration of cataloguing departments. Consideration of current policies, problems, trends, and of centralized,

co-operative, and automated controls of library collections. MISS COLVIN.
(S118, MISS LEONARD.)

Prerequisite: Library Science 115.

120-1, 2. Modern Book Publishing and Publishers

4 semester hours

History, economics, and distribution of printed materials. Various processes of printing, book design, and book illustration. Contemporary publishers and the techniques and problems of the acquisition of published materials. MR. SILVER.

[S123. Audio-Visual Services

4 semester hours

Different audio-visual media are studied in terms of possible library usefulness. Equipment is emphasized.

Not offered in 1963.]

131-2. Research and Bibliographical Method in Subject Fields

4 semester hours

For the student whose objective is special librarianship with an undergraduate or graduate major in such areas as science, technology, art, music, medicine, business, and law. Open also to students who are qualified to specialize in the literature of a subject field, with consent of the instructor. Two major projects—the compilation of a guide to the literature and a subject bibliography of research value in the student's field—require independent research. Not open to students enrolled in *Library Science 108*. MISS KINNEY.

Prerequisite: Library Science 107 and 115.

170-1, 2. S170. The Book Arts and Rare Books

4 semester hours

History of printing and consideration of the standards of well-printed books, followed by a study of the field of rare books: collections, collectors, dealers, preservation, and curatorship. Special lecturers, visits to rare book collections, and individual problems. MR. SILVER. (S170, MISS FRENCH.)

172-2, S172. Theory of Administration

4 semester hours

The principles of management as applied to public, college, and university libraries. Case study techniques including such areas as executive-trustee relationships, personnel administration, book selection policies, and government relationships.

MR. SHAFFER.

173-1, S173. Administrative Problems in Book Selection

4 semester hours

Policy management in the selection, acquisition, and servicing of the collections in public and academic libraries. Emphasis on actual practice, and the modification and application of principles of book selection in specific administrative situations. Case studies, guest lecturers, and individual problems. MR. SHAFFER. (S173, MR. GALVIN.)

Prerequisite: Library Science 109 or 113.

181-2, S181. Service to Children

4 semester hours

The principles and objectives of a children's library, and its relation to the educational and social institutions in the community. Criteria for the selection of books for boys

and girls through the study of their reading interests, habits, and abilities, and their books. MR. ———.

[182-2. Storytelling

4 semester hours

The place of storytelling in the American public library, and its development as an art. Involves preparation of the story, delivery, and picture stories.

Not offered in 1963-64.]

183-2, S183. Literature for Young Adults

4 semester hours

Literature for the adolescent designed for librarians in school or public libraries. A brief history of the development of this literature, evaluation of publishers, and psychology of the adolescent reader. MR. ———. (S183, MRS. PRICE.)

184-1, 2, S184. Literature of Science and Technology

4 semester hours

Basic concepts and contemporary trends in the literature of the various sciences and technical subjects form a background for the study of all kinds of standard works, reference materials, and bibliographic sources consulted by the general public as well as scholarly research workers. Outside lectures, reading, class discussion, and investigation. Problems of organizing technical reports, and the techniques of punched-card bibliographies are studied. Extensive academic preparation in science is not required. MR. SILVER. (S184, MR. SNYDER.)

SEMINARS

Seminars offer opportunity for the student who has demonstrated ability for independent work to pursue individual studies in fields related to his or her own experience, interests, and objectives. The seminars which follow can be adapted to the interest of individual students or to a small group of students working in common directions. They may be of the nature of reading courses, discussion groups, internships, or directed research resulting in an essay. Seminars may be elected only with consent of the instructor and the Director of Students of the School.

201-1, 2. Seminar in Library History

2-4 semester hours

S202. Advanced Problems in Library Administration

2-4 semester hours

203-1, 2. Research in Library Administration

2-4 semester hours

S204. Special Library Field Experience

4 semester hours

A field experience, assigned by the School, for students who have not had experience in the special library field and who have elected *Library Science 114* and *131*. Usually taken during the summer following the completion of 32 semester hours of courses in the School. The library is carefully selected to ensure the best possible experience in a four-week period. The fee for this course is \$90. MISS LEONARD.

206-1, 2. Seminar in School Library Service

2-4 semester hours

207-1, 2. Seminar in Reference Literature and Services

2-4 semester hours

208-1, 2. Seminar in Subject Bibliography

2-4 semester hours

210-1. Seminar in Library Adult Education Services

2-4 semester hours

211-1, 2. Seminar in Reading Guidance of Children

2-4 semester hours

212-1, 2. Seminar in Reading Guidance of Young People

2-4 semester hours

213-1, 2. Seminar in Special Library Service

2-4 semester hours

215-1, 2. Seminar in Classification and Subject Cataloguing

2-4 semester hours

217-1, 2. Seminar in Cataloguing

2-4 semester hours

218-1, 2. Seminar in Government Publications

2-4 semester hours

220-1, 2. Seminar in the History of Books and Publishing

2-4 semester hours

Directed independent research on topics related to printing, publishing, and rare books. Students prepare papers based on research in special collections in the area.

MR. SILVER.

Prerequisite: Library Science 170, or 120, or special experience.

Education

20-1, 2. Historical and Philosophical Backgrounds of Education

4 semester hours

Major historical developments and fundamental philosophical issues in education, considered in terms of their relevance to contemporary practices in education. Historical backgrounds and theoretical points of view which contribute to an understanding of how education has evolved to its present stage. It is highly desirable that *Psychology 20* have been completed before *Education 20* is elected. MR. MCLELLAN.

30-1. The Nature of Classroom Teaching

4 semester hours

Specific problems, procedures, and methods with which all secondary teachers must be concerned: developing realistic objectives; presenting materials orally; developing,

making, and correcting assignments; preparing and evaluating tests and examinations; guiding pupil progress; managing a classroom; and carrying on the major responsibilities of the classroom teacher. Students relate procedures insofar as possible to their special subject-matter fields. Specific assignments simulate the activities in which the student will be expected to engage as a teacher. MR. MCLELLAN.

Prerequisite: *Education 20* and *Psychology 33*. (Students in the School of Home Economics may substitute *Home Economics 35* for *Psychology 33*.) *Enrollment:* limited.

32-2. Curriculum and Methods in the Secondary School Teaching of English

3 semester hours

Instructional materials and the specific problems and procedures in the secondary school teaching of English. Techniques and methods considered in *Education 30* are applied to the teaching of English, together with those matters that are unique to the field of English. Experience in constructing lesson plans and units. Problems of teaching English at various grade levels, in the various curriculum divisions, and to students of varying abilities. *Enrollment:* limited to students following the specialization in the secondary school teaching of English in the School of Education. MR. BISSEX.

33-2. Curriculum and Methods in the Secondary School Teaching of Modern Language

3 semester hours

The actual instructional materials and the specific problems and procedures in the secondary school teaching of modern language. The techniques and methods considered in *Education 30* are applied to the teaching of modern language, together with those matters that are unique to the field of modern language. Experience in constructing lesson plans and units, and the problems of teaching modern language at various grade levels, in the various curriculum divisions, and to students of varying abilities. *Enrollment:* limited to students following the specialization in the secondary school teaching of modern language in the School of Education.

MR. ETHIER.

34-2. Curriculum and Methods in the Secondary School Teaching of History and Social Studies

3 semester hours

Instructional materials and the specific problems and procedures in the secondary school teaching of history and social studies. The techniques and methods considered in *Education 30* are applied to the teaching of history and social studies, together with those matters that are unique to the field of history and social studies. Experience in constructing lesson plans and units, and in the problems of teaching history and social studies at various grade levels, in the various curriculum divisions, and to students of varying abilities. *Enrollment:* limited to students following the specialization in the secondary school teaching of history and social studies in the School of Education. MRS. BEHRMAN.

35-2. Curriculum and Methods in the Secondary School Teaching of Science and Mathematics

3 semester hours

Instructional materials and the specific problems and procedures in the secondary school teaching of science and mathematics. The techniques and methods considered

in *Education 30* are applied to the teaching of science and mathematics, together with those matters that are unique to these fields. Experience in constructing lesson plans and units, and in the problems of teaching science and mathematics at various grade levels, in the various curriculum divisions, and to students of varying abilities. *Enrollment*: limited to students following the specialization in the secondary school teaching of science and mathematics in the School of Education. MR. BROWN.

39-2. Seminar in Teaching Methods

1 semester hour

Problems specific to the teaching of the several subject-matter fields. Emphasis on demonstration teaching by students in their respective subject-matter fields followed by seminar critiques. Problems of particular importance to the beginning teacher. *Enrollment*: limited. MR. MCLELLAN.

40-1, 2. Student Teaching

6 semester hours

Each student assumes full responsibility, under supervision, for the teaching of not less than one high school class in her subject-matter field for the entire semester. *Enrollment*: limited to seniors in the School of Education. MRS. BEHRMAN and Members of the Department.

45-1, 2. School and Teacher in American Society

2 semester hours

Retrospective summary of the student's theoretical and practical background for teaching. Review of the methods and problems in teaching, related to the larger responsibility of the teacher, to the role of the teacher in the American school, and to the place of the school in American society. Discussion of the professional status of the teacher and of the social forces which influence schools and school policy as related to the basic issues in education. MRS. BEHRMAN.

Prerequisite: *Education 40* or equivalent student teaching.

Home Economics Education, see Home Economics.

Social Work

Classes in social work are held at the School of Social Work, 51 Commonwealth Avenue, and are not open to undergraduate students.

I. THEORY AND PRACTICE. A. The Social Services

First Year

10-1. Social Work Organization

3 semester hours

Discussion of the processes and skills basic to all fields of social work; description of the social agencies through which communities seek to help citizens in need. Field visits. The organization and administration of the public and private social services, as related to community needs and resources. MR. RUTHERFORD, Members of the Department, and special lecturers.

11-1. Government and Social Work

2 semester hours

Economic problems posed by a growing program of social services. The present cost-benefit structure of social services, both public and private, related to other aggregates in the economy. Alternative methods of financing social programs; the implications of each alternative for the different groups in the economy and for the level of economic activity as a whole. MR. ———.

12-2. Community Health Organization

1 semester hour

An orientation course on the whole field of health service as organized under the auspices of public and voluntary agencies. Special emphasis on the socio-economic aspects of the services. DR. ——— and special lecturers.

Second Year

211-2. Roots of Professional Social Work

1 semester hour

Major historical sources of modern social work including the church, the charity organization movement, and private philanthropy, in terms of present-day social work problems, such as professionalism, concepts of the client, methods of treatment. MR. RUTHERFORD.

B. Human Growth and Behavior

First Year

20-1. Principles of Human Behavior

2 semester hours

Developed in three parts. The first part on the multiple causative factors in the development and functioning of the individual in his relationship to his background, to himself, and to society; and the application of current theories of mental development and conduct to behavior. MRS. WALDSTEIN, DR. LEVINE and lecturers.

The second part, individual growth and development based on psychoanalytic concepts of personality organization with special emphasis on interpersonal relationships. DR. BIBRING and associates.

The third part, physical and behavioral growth and development. DR. SMITH.

21-2. Clinical Psychiatry

2 semester hours

Clinical demonstrations, sociodrama, and coordinated lectures dealing with mental illness, psychoneuroses, and personality deviations. Etiology, pathology, symptomatology, prognosis, and treatment are related to social case discussion. DR. SEMRAD.

23-1. Health and Disease I

2 semester hours

Basic concepts and information regarding health and disease; normal growth and development; causes, symptoms, and treatment of diseases most commonly met in social work practice. Social implications are emphasized. DR. GIBSON, DR. HAGGERTY, and lecturers.

*Second Year***221-1. Psychoanalytic Theory of the Neuroses**

3 semester hours

Builds on the students' knowledge of human growth and development (20-1) to gain a deeper understanding of personality through study of deviations from the normal, especially neuroses and character disorders. DR. VAN AMERONGEN, DR. BONNER.

Highlights the relationship between organic, physiological and emotional factors in personality development, and depicts the dynamics of patients whose conflicts are expressed through bodily symptoms. DR. MUSHATT.

222-2. Seminar in Psychiatry

2 semester hours

An advanced seminar covering briefly the range of psychiatric efforts, coordinating the divergence of approaches in regard to psychopathological dynamics and treatment with the practice of case work. Special emphasis on adult psychiatric problems. Hospital interviews and case discussions. DR. ROGERS, MRS. DOMEY, and lecturers.

223-2. Health and Disease II

1 semester hour

Lectures, conferences, and demonstrations presenting significant current medical and psychiatric concepts and methods in diagnosis and treatment of illness, with emphasis on the emotional aspects. MRS. WALDSTEIN and lecturers.

C. Social Work Practice*First Year***30-0. Social Case Work**

4 semester hours

Social case work using the case discussion method, and stressing that which is generic, in understanding and skill, to the various fields of specialization. Students present questions and case illustrations from the field as a focus for general discussion. MISS WALSH.

31-2. The Group Process

2 semester hours

The group process in making plans and arriving at decisions. Relation of group work to recreation, education, and case work. Discussion methods. MR. RUTHERFORD.

32-1. Methods of Social Research

2 semester hours

Research methods as applied to the field of social work; types of research suitable to the study of various social work problems; the relation of research to social work practice. Preparatory to the second-year seminar in social studies. MISS MOHR.

33-2. Social Work and Change

1 semester hour

The process, not of amelioration, but of active change induced within an agency or community. Reform, Community Organization, Education, Legislation in Housing, Intergroup Relations, other problems. MRS. SNOWDEN and lecturers.

38-2. Seminar in Social Work Practice I

2 semester hours

With *Social Work 238*, a continuous course beginning in the second semester of the first year and running through both semesters of the second, considering the general character of social work practice as demonstrated in the various fields of social work activity. To be followed by *Social Work 238*. MRS. GERBER, MISS KELLEY, and Members of the Department.

*Second Year***231-0. Seminar in Social Case Work**

4 semester hours

Seminar in case work. Discussion of concepts and methods as they are understood and used in the solution of case work problems. Cases represent a cross-section of the student experience and are selected to illustrate problems typical of various age groups and life situations against a variety of cultural backgrounds. Emphasis on normal behavior and its deviations, particularly pathology.

Discussions include diagnostic criteria with emphasis on focus and appropriate methods of treatment as influenced by generic case work and dynamic psychiatry. MRS. BANDLER.

237-1. Group Dynamics

1 semester hour

The basic principles of group dynamics. Discussion of specific groups: discussion groups, task-oriented groups, a work team; special consideration of the therapy group. Students function as members of a group and observe some of the forces operating within a group. MRS. LEWIN.

238-0. Seminar in Social Work Practice II

4 semester hours

A continuation of *Social Work 38* begun in the first year. The nature of the clientele problems dealt with, methods used, administrative structure, place in society, problems. Required of all students, and intended to be a principal means of unifying and coordinating learning. MRS. GERBER and Members of the Department.

251-0. Seminar in Social Studies

7 semester hours

Organized to guide students in the preparation of a special study. Individual and group conferences on the following steps: choice of subject; preparation of a written statement of the special study plan, which is submitted for approval to a committee of the School staff; collection and analysis of data; writing of the report, with emphasis on clarity of presentation. MISS MOHR, MRS. BERGER, MRS. NICHOLS.

II. FIELD WORK**50-0. Field Work, First Year**

7 semester hours

Experience, under supervision, in a generic setting, in the provision of service to clients presenting a variety of needs.

250-0. Field Work, Second Year

14 semester hours

Experience, under supervision, in a selected specialized setting, related to the student's academic concentration in medical, psychiatric, children's, or community social work.

III. COURSES ON UNDERGRADUATE, EXTENSION, AND COMMUNITY BASES

From time to time the School offers training opportunities designed to make a certain part of the social work curriculum available to groups which are able to make good use of it. Courses listed below are the ones currently offered.

Sociology 40-1 is an undergraduate course offered at the main building of Simmons College, 300 The Fenway. The course in *Statistical Methods* is given as a makeup for persons whose previous study has not included a course of this nature.

**Introduction to the Fields of Social Work
(Sociology 40-1)**

4 semester hours

The fields of social work, their background, and present status and goals. A discussion group to acquaint students with the social agencies and institutions, and the conditions and concepts from which they have emerged. Welfare work. Field trips. Open to third- and fourth-year students and to graduate students who are interested in social work and allied fields. MR. RUTHERFORD, MISS KELLEY.

40-1. Statistical Methods

1 semester hour

Statistical methods with special application to social research. Practice in the classification of social data, and the construction, analysis, and interpretation of tables and charts. MR. NICHOLS.

301-2. Seminar in Advanced Case Work

1 semester hour

A study group for social workers engaged in case work practice. *Enrollment*: limited. MISS WALSH

PUBLIC WELFARE SEMINARS

To help with the training of workers in large public departments, the School has this year continued its plan of offering in-service courses by faculty to workers in children's institutions in Rhode Island, to Boston Public Welfare Staff, and to the staff of the Massachusetts Division of Child Guardianship. These are non-credit seminars, developed jointly by School and Agency.

Business Administration**20-1. Principles of Accounting**

4 semester hours

Current and recommended concepts of accounting principles and practices. The individual proprietorship. Major emphasis on managerial control and decision making. Topics include: financial statements and their interrelationships; accounting cycles; adjusting, closing and reversing processes; work sheets; special journals, theory, classification, analysis and interpretation of accounts. MR. PARENTE.

21-2. Personal-Use Typewriting

2 semester hours

Development of basic personal-use skill in typewriting. *Enrollment:* Limited to students with no previous instruction in typewriting. Students receiving credit for this course may earn only two semester hours of credit if they later complete *Business 31b* or *35*. MISS ———.

24-1. Foundations of Business Administration

4 semester hours

A general understanding of the functions of the business world; the basic activities of production, marketing, and finance; the role of competition in the private enterprise system; meetings with Greater Boston businessmen to discuss their specialized areas of the business world; films, field trips, and case studies. MR. MORAN.

25-2. Intermediate Accounting

4 semester hours

A logical continuation of accounting. The partnership and corporate forms of business organizations. Payrolls and taxes. Partnership organization, operation, and dissolution. Corporation formation, capital stock transactions, dividends, retained earnings. Statement analysis and evaluation. MR. PARENTE.

Prerequisite: Business 20.

31-0. Elementary Shorthand and Typewriting

8 semester hours

Basic secretarial skills. Development of shorthand theory and dictation; typewriting facility; typewriting problems; transcription on the typewriter. Placement tests in shorthand and typewriting required of all students with previous training in those areas. Typewriting (31b) may be taken independently for four semester hours of credit. *Enrollment:* limited to students in the School of Business Administration. MISS ———.

34-2. Business Communications

4 semester hours

Theoretical and practical applications of communications principles. Oral and written expression to accomplish human relations objectives necessary for success in working with and in influencing other persons. Principles developed in a business setting with cases involving the writing of business letters, reports, newsletters, memoranda, and advertisements; in conducting of conferences, interviews, platform speeches, and other forms of oral communication. MR. BALDWIN.

Prerequisite: typewriting ability.

35-0. Typewriting for General Use

4 semester hours

Typewriting facility; typewriting problems; transcription on typewriter. Placement test in typewriting required of all students with previous training. *Enrollment:* limited to students in School of Publication. MR. MORAN.

36-1, 2. Analysis of Business Data

4 semester hours

Collection, presentation, analysis, and interpretation of statistical data as applied to business. Sampling, measures of central tendency, dispersion, time series analysis, index numbers, correlation, probabilities. MR. PARENTE.

38-2. Legal Aspects of Business

4 semester hours

Legal principles and their practical applications to business situations. The following areas are analyzed: contracts, agency, sales, and negotiable instruments. MR. PARENTE.

39-1. Institutional Accounting*

4 semester hours

The fundamentals of accounting and business practice as applied to lunchrooms, tea rooms, residence halls, and institutions of a similar type. Financial statements and reports, analyzing data, and designing books of records. MR. PARENTE.

41-1. Advanced Shorthand and Typewriting

4 semester hours

Systematic practice in writing shorthand, with special emphasis on the acquisition of a broad shorthand vocabulary and the ability to transcribe according to business standards. Development of competence in office-style typewriting. MR. MORAN.

Prerequisite: Business 31.

42-2. Office Procedures

4 semester hours

Advanced problems in modern office procedures and machines with emphasis on efficient planning of material to produce a volume of high-grade work. Refinement of secretarial skills. Case discussions on principles of human relations and office ethics. Demonstrations of office machines. Field trips to business offices. MR. MORAN.

Prerequisite: Business 41.

45-2. Modern Business Management

4 semester hours

Management as science and art, scientific management, decision making, organizational structures, the purpose, role, and construction of the organization chart through procedures, job specifications and statements of responsibility, authority and responsibility, delegation and decentralization, innovation, the well-tempered corporation, automation, social and economic experimentation. *Enrollment:* limited to Business Administration students. MR. CARLO.

46-2. Medical Terminology and Transcription

4 semester hours

Analysis of medical terms on the basis of affixes, suffixes, and roots; development of Gregg Simplified shorthand outlines for medical terms; development of transcription and skill through dictation of hospital case histories. Students in this course are exempt from the section of *Business 42* devoted to refinement of secretarial skills.

MR. MORAN.

Prerequisite: Business 41.

50-2. Advertising Policies and Methods

4 semester hours

The nature and purpose of advertising; its place in our business and economic structure with special emphasis on current trends, analyses of the component parts of an advertisement, varieties of media, case analysis, copy testing, market research, and campaign planning. MR. CARLO.

* Offered in alternate years.

51-2. Personal Finance

4 semester hours

A non-technical discussion course providing practical help in managing personal money matters, budgeting and savings, buying property, life, and other forms of insurance, owning and financing a home, investing in stocks, bonds, and other securities, bank services, credit facilities. MR. CARLO.

52-1. Marketing

4 semester hours

Management and marketing, market research, the marketing mix, channels of distribution, demand, cost and profit analyses, product development, promotion, pricing, selling and the sales force, advertising, the role of marketing and the marketer in American business. MR. CARLO.

53-1. Fashion

4 semester hours

Factors behind the acceptance or rejection of any style. Development of fashion through the coutures of Europe and the needle trades of the United States, background of historic costume and "name designers." Fashion promotion in the retail store, duties of the Fashion adviser. MISS STUART.

55-2. Retailing Principles and Practices

4 semester hours

Forms of retailing; department stores, multi-unit organizations, discount houses. Organizational structures; departmental activities in retail organizations. Current trends in retail distribution; e.g. downtown-suburban pattern, mechanization, manufacturer-retailer co-operation. MRS. HALEY.

56-1, 2. Personnel Principles and Policies

4 semester hours

Fundamentals of personnel management: procurement and development including job evaluation, labor resources, selection techniques, testing and training programs. Management-labor relations; wage and salary administration; employment stabilization. In the first semester this course is *open only* to students in the Prince School Program in Retailing. MRS. HALEY.

58-1. The Stock Market

4 semester hours

Economic and financial implications of stock market functions. Types of brokers, orders, floor trading procedures, odd-lot trading, margin buying, short selling, convertible securities, interpretation of stock averages, the Dow Theory, are areas of investigation. Realistic and actual situation stock market problems. Independent research and readings. MR. PARENTE.

59-0. Retail Merchandising

8 semester hours

Basic knowledge for merchandising practices, analysis of consumer demand, market conditions and representation, development of merchandising policies. Background in buying techniques. Mathematics of merchandising, dollar and unit merchandise control. Problems and case work—field trip to New York market. MISS BURNHAM.

[61-1. Financial Administration]

4 semester hours

Administration and interpretation of corporate finances. Emphasis on responsibilities in financial management and administration contributing to maximum use of corporate funds. Comparison of capital sources, timing, current financial condition, policies, and their implications. Application of financial concepts directed toward optimum results for the best interests of the corporation and the shareholders.

Not offered in 1963-64.]

[62-2. Seminar in Financial Administration]

4 semester hours

Discussion of realistic and actual situation problems on an advanced basis. Independent investigation of problems and policies pertaining specifically to the area of financial administration.

Not offered in 1963-64.]

63-1. Marketing Research

4 semester hours

Training in the techniques of research and their application to marketing, advertising and sales, questionnaire design, product-testing and survey techniques, co-operative work on actual business problems. MR. CARLO.

Prerequisite: Business 52 and 36.

64-1. Personnel Management

4 semester hours

Advanced analysis of personnel methods and techniques; morale, communication, and leadership problems. Individual executive's responsibilities and problems presented by guest lecturers. MRS. HALEY.

Prerequisite: Business 56.

65-1. Retailing Seminar

4 semester hours

Critical investigation of current problems in the field of retailing; e.g., electronic data processing, foreign competition, centralized merchandising, consumer buying patterns. Groups of two or three students study an assigned topic; material organized for class discussion. MRS. HALEY.

Prerequisite: Business 55 and 59, or the equivalent.

66-2. Seminar in Personnel Administration

4 semester hours

Student research in the field of personnel management. Concentration on area of special interest. Results of individual study presented for group evaluation.

MRS. HALEY.

Prerequisite: Business 56 and 64.

67-2. Personnel Problems in Retailing

4 semester hours

Administrative problems of departmental executives within a framework of top management policies. Employee selection, personnel scheduling, improving employee productivity, replacing counter service with self-selection in a selling department. Personnel implications of measures introduced to promote volume or reduce operating expenses. Written report on some phase of personnel work required. Original in-

vestigation or library research. *Enrollment:* limited to students with a specialization in retailing. MISS BURNHAM.

68-1. Management of Human Resources

4 semester hours

A theoretical framework for the systematic study of the human factors in management; the work of Mary Parker Follett, power and authority, integration, the logic of the situation; the creation and measurement of morale, the Hawthorne experiments, organization and human problems; the measurement of leadership and motivation; industrial relations, joint consultation, and business ethics. MR. CARLO.

[69-2. Office Management

4 semester hours

Functions of the office in its relation to other operating departments of business. Methods of improving office operations through application of functional lay-out, centralization of activities, paperwork simplification, measurement of production, establishment of standards and so forth. Field trips, outside readings, case studies, and guest lecturers.

Not offered in 1963-64.]

Business Lectures

Four lectures held during the second half-year to provide an opportunity for students, as a supplement to their classwork, to hear experts from business discuss current trends and issues. Students are required to attend eight of these during their enrollment in the School of Business Administration.

Home Economics

10-2. General Home Economics

4 semester hours

A non-laboratory course planned exclusively for majors in fields other than home economics. Development of a philosophy of desirable home and family life in today's world. Ways in which family goals may be attained through the wise management of time, energy, money, and material resources. Consideration given to housing, home furnishings and equipment, finance and consumer problems, nutrition and food selection, textiles and clothing, and family relations. MISS PATTERSON, MISS BEVACQUA.

20-1, 2. Clothing

4 semester hours

Fundamentals of clothing construction with experiences in fitting and adjusting patterns and garments for figure problems. Use of fabrics of natural and man-made fibers to understand peculiar characteristics. Effectiveness of line, proportion, and color for the individual. Comparison of cost and construction of ready-made versus custom-made clothing. MRS. FACKTOROFF.

21-2. Textiles

4 semester hours

Natural and man-made fibers, yarns, construction methods, design and finishing agents as related to selection and care of fabrics. Comparative studies of quality for various end uses. Field trips to museums, mills, and textile research laboratories. MISS SPINOS.

Prerequisite: Chemistry 11 or 12, or the equivalent. Open to students in the Prince School Program in Retailing without chemistry prerequisite.

22-1. Design

4 semester hours

Developing visual sensitivity. Appreciation of contemporary design in relationship to architecture, furniture, fabrics, and accessories. Illustrated lectures and discussions, field trips to modern homes and shops, and creative work combine to increase responsiveness to contemporary art and basic design elements. Opportunity for individual study in specific areas of interest. MRS. FEINBURG.

23-1, 2. Foods and Nutrition

4 semester hours

Application of basic scientific principles to food preparation and meal planning; efficient management of time and other resources. MISS FISHER, MISS PATTERSON.

25-2. Nutrition

4 semester hours

The fundamentals and recent developments in the science of nutrition as they relate to food selection and to the needs of individuals and groups; the relation of nutrition to health; and community responsibility for various nutrition programs.

MRS. ABBOTT, MISS ROSS.

Prerequisite: Biology 10, Chemistry 11 or 12, Home Economics 23, or equivalents.

26-1. Elements of Nutrition

2 semester hours

Fundamentals of nutrition with special application to the problems of the nurse. Evaluation of dietaries and planning of menus for children and adults. MRS. ABBOTT.

Prerequisite: preparation in the basic sciences.

30-1, 2. Tailoring

4 semester hours

Construction of tailored suits and coats using custom tailoring and dressmaker tailoring techniques. Cutting and adjusting to fit the individual figure. Pressing and blocking of tailored garments. MRS. FACKTOROFF.

Prerequisite: Home Economics 20.

33-1, 2. Advanced Foods

4 semester hours

Composition, methods of manufacture, marketing, and preservation of food. Laboratory work to develop professional food standards and efficient procedure. Evaluation of convenience foods. Field trips to food production and distribution centers. Review of current professional journals. MISS FISHER.

Prerequisite: Home Economics 23.

34-1, 2. Home Management

4 semester hours

Philosophies of management and utilization of family resources, work simplification, kitchen planning, and selection, care, and use of household equipment. Laboratory activities include food selection, preparation, and service; use of household equipment; and entertainment of guests. MISS BEVACQUA.

35-1, 2. Child and Adolescent Growth and Development

4 semester hours

The development of the child from conception through adolescence. Understanding of the significance of children's behavior and the importance of early events to the development of the mature personality. Experience with young children provided by observation and participation in the Simmons College Child Study Center. Students in schools other than Home Economics may enroll with permission of the Director. MISS SOGARD.

Prerequisite: Psychology 20. Enrollment: limited.

36-1. Field Experience in Home Economics Education

2 semester hours

Teaching foods or clothing in a settlement house in the vicinity of Boston one afternoon each week during the semester. Weekly group conferences for organizing and discussing teaching materials and techniques, class activities, and the influence of family life on the personality development of children. Individual conferences on teaching problems. MRS. LAMBERT.

37-2. Demonstration Techniques

4 semester hours

Observation, discussion, and presentation of food demonstrations. Emphasis on effective techniques. MISS FISHER.

Prerequisite: Home Economics 33, or equivalent, and consent of the Director.

38-2. Advanced Child Development

4 semester hours

Intensive study of the child from conception through the first eight years of life; special emphasis on the influences of family, school, and peer group. Reviews of current professional journals. MISS SOGARD.

Prerequisite: Home Economics 35. Enrollment: limited to seniors following the specialization in child development.

40-2. Clothing Design

4 semester hours

Fundamentals of clothing design and pattern drafting. Designs of clothing developed through pattern drafting techniques. Fashion through the centuries; the effects of times and mores. MRS. FACTOROFF.

Prerequisite: Home Economics 20, and Home Economics 30 or consent of the Director.

43-2. Experimental Foods

4 semester hours

Physical and chemical factors affecting the quality of cooked food, including analysis of standard recipes and procedures. Review of recent research in foods. Individual problems. MISS PATTERSON.

Prerequisite: Chemistry 32 and Home Economics 33.

45-1. Advanced Nutrition

4 semester hours

Recent research in nutrition. The role of each dietary essential in the maintenance of optimum health; problems of food fortification; interrelationships of nutrients; treat-

ment and prevention of nutrition deficiencies; enrichments and faddism.

MRS. ABBOTT.

Prerequisite: Biology 34, Chemistry 21, Home Economics 25, or equivalents.

46-2. Diet Therapy

4 semester hours

Diet in the treatment of disease. Changes in metabolism and their relationships to dietary requirements and food intake. MRS. ABBOTT.

Prerequisite: Home Economics 45.

47-1, 2. Consumer Education

4 semester hours

Choice-making, budgeting, and market selection problems facing consumers in the use of income for present and future needs. Protection of consumers in the market, standardization, labeling, pricing, credit, insurance, and investment. MISS BEVACQUA.

48-1. Early Childhood Programs: Methods and Materials

4 semester hours

Principles of program planning for children. Graphic and plastic arts, music, science, and literature; play equipment and materials, personnel consideration, parent and community relationships. MISS SOGARD.

Prerequisite: Home Economics 35 and consent of the Director.

49-2. Experience With Children

4 semester hours

Observation and experience in early childhood group dynamics and behavior, communicating with young children and handling individual and group problems. Individual conferences supplement varied field experience. *Enrollment:* limited to seniors following the child development specialization. MISS SOGARD.

51-2. House Planning and Interior Decoration

4 semester hours

Each student plans the layout and decoration of a house; chooses the community in which the house might be built and the plot of land where it is to be placed; considers traditional and new methods of house planning and building. Choice and use of furniture; wall, floor, and window treatment; emphasis on color, line, and texture; and budget limitations, family needs, and requirements of modern living. MRS. O'CONNOR.

52-1. Institution Management

4 semester hours

Quantity food purchasing and production; institution equipment maintenance and purchasing; college, hospital, hotel, restaurant, and school lunch feeding; field experiences in current situations.

Cost of transportation and meals when on field assignments, approximately \$20. *Enrollment:* limited to students following specialization in institution management and dietetics. MRS. ABBOTT, MISS FAIRCHILD, and others.

54-1. Curriculum and Methods in the Teaching of Home Economics

4 semester hours

Before student teaching (*Home Economics 55*), methods of selecting, organizing, and evaluating learning experiences in the teaching of home economics in junior and

senior high schools. After student teaching, seminars on home economics in vocational and adult education, the professional role of the home economist, and individual teaching problems. *Enrollment*: limited to seniors following the specialization in home economics education. Students enroll concurrently in *Home Economics 55*.
MRS. GAWNE.

55-1. Student Teaching in Home Economics

6 semester hours

Six weeks' teaching in junior and senior high schools near Boston. Planning experiences for boys and girls in foods and nutrition, clothing, home management, child study, consumer education, and personal and family relations; directing other school activities. Cost of transportation to co-operating centers, approximately \$50. *Enrollment*: limited to students enrolled concurrently in *Home Economics 54*.
MRS. GAWNE.

56-2. Introduction to Public Health Nutrition

4 semester hours

The role of nutrition in such public health programs as maternal and child health, school health, chronic disease, and gerontology. An explanation of the functions and interrelationships of members of the public health team: medical health officer, public health nurse, health educator, sanitarian, and nutritionist. Field experience in health agencies at state and local levels. Cost of transportation for field assignment, approximately \$15. MRS. CASO.

Prerequisite: *Home Economics 25* and *33*, or equivalents, and consent of the Director.

57-2. Family Relations

4 semester hours

Characteristics of the American family today, challenges and problems of various family developmental stages with special emphasis on factors basic to successful family living. Open to third- and fourth-year students in all schools. MRS. BARRABEE.

59-1, 2. Individual Study in Home Economics

2 or 4 semester hours

Individual work in one of the areas of home economics. Special permission of the Director required. Members of the Department.

200. Thesis in Home Economics Education

4-8 semester hours

Degree candidacy in the graduate program in home economics education required. Individual study in an area of special interest. Regular conferences with the staff throughout the period of registration. MRS. GAWNE, MISS ROSS, and Members of the Department.

A-1. Foods and Nutrition for Nurses

Principles of food preparation and nutrition for student nurses in program V. Laboratory lessons in the preparation of simple, moderately-priced meals. Cultural food customs considered briefly. MISS PATTERSON, MRS. THOMASON.

Nursing

21-0. Fundamentals of Nursing

8 semester hours

The fundamentals of nursing. Historical and philosophic foundations; the development of basic nursing concepts and skills with application to selected experiences in clinical practice. MISS KEANEY, MISS ———.

22-1. Personal and Professional Relationships in Nursing

2 semester hours

Personal and professional growth of the student; clarification of the professional role; working relationships with patients and other members of the health team.

MRS. DUTRA.

23-1, 2. Group Dynamics

2 semester hours

Basic principles of group dynamics. Opportunity provided for students to function as members of a group and to observe forces operating within a group.

MRS. LEWIN.

24-2. Pharmacology

2 semester hours

Introduction to therapeutic and chemical agents with the principles of pharmacodynamics. Responsibilities of the nurse in the safe handling and administration of drugs.

MISS HUBBARD.

25-1. Social Foundations of Nursing

2 semester hours

Historical foundations of modern nursing, the influence of contemporary society, current trends in nursing and nursing education, and the role of professional organizations. MISS HOUSTON and others.

31-1. Medical and Surgical Nursing I

8 semester hours

Patient-centered approach based on commonalities of nursing principles and nursing problems. Guided clinical experience in the identification of overt and covert nursing needs of patients; selection and execution of appropriate courses of action essential for the care of the patient. MISS BURRILL and others.

33-2. Medical and Surgical Nursing II

8 semester hours

Continuing emphasis on commonalities of nursing principles and nursing problems. Guided clinical experiences including the elements of comprehensive nursing care through working with patients, families, and health team members. MISS BURRILL and others.

Prerequisite: Nursing 31.

35-2. Human Growth and Development

4 semester hours

Man from conception through senescence; physical, cultural, social, and emotional aspects of human development. MISS SOLBERG and others.

41-1, 2. Maternity Nursing

8 semester hours

Concept of pregnancy and childbirth as a normal physiological occurrence. Physical, emotional, and social aspects basic to the care of mothers and newborn infants through the total maternity cycle; the nurse's supportive and teaching roles.

MISS SOLBERG, MISS HYMOVICH, and others.

43-1, 2. Nursing of Children

8 semester hours

A developmental approach to the care of sick children; effect of disease on normal growth and development; current trends in prevention, diagnosis, and therapy. Role of the nurse in guidance of parents and children; practice in hospital in-service and out-patient units; observation in other community agencies. MISS HYMOVICH, MISS SOLBERG, and others.

45-1. Comprehensive Nursing

8 semester hours

The role of the nurse in designing and executing a comprehensive plan of nursing care. Experiences are selected to practice newer concepts and techniques of nursing within the clinical setting. MRS. ERLANDSON.

51-1, 2. Psychiatric Nursing

4-8 semester hours

Principles of dynamic psychiatry; symptomatology and treatment of mental illness; guided experience with selected patients. Visits to preventive and curative community resources. MRS. DUTRA, MISS COTTON, DR. WASHBURN, and others.

52-2. Seminar in Nursing

4 semester hours

Study of professional organizations, opportunities in various fields of nursing, legislation, accreditation, and professional literature. MISS HOUSTON, MISS HUBBARD.

53-1, 2. Community Health

8 semester hours

Agency assignment with correlated study of nursing practice when the primary focus is public health. Through the study of public health sciences and the practice of nursing care that includes co-operation with health groups in the community, the student is brought to better understanding of the effect on world communities of health and illness. MISS MENZIES, MISS GOLDSBERRY.

54-1, 2. Individual Reading

2-4 semester hours

Directed independent reading and report. MISS HOUSTON, MISS HUBBARD, and others.

55-1. Nursing in Disaster

non-credit

Life saving and health maintenance in natural and man-made disaster. Content and methods useful in mass care and treatment including adaptations required by limited personnel, physical facilities, utilities, and equipment. MISS KEANEY, MISS BURRILL.

Physical Education

Physical Education For First-year Students

Participation in two hours a week of physical education is required of all first-year students. An adapted program to meet the needs of individuals with medical restrictions is arranged in co-operation with the Health Office.

A course in Fundamentals of Physical Education is required for one period during one semester. This course is designed to help each student understand and apply the basic principles of efficient movement in all activity; evaluate her own status with respect to posture, physical fitness, and motor skill; develop an individual program to help improve and maintain her fitness, figure, and physical efficiency.

The remainder of the freshman requirement is fulfilled through courses which provide opportunities for each student to acquire or improve skill in activities of her choice which she can enjoy during and after college. The courses scheduled during the two semesters are: dance (ballroom; folk, country, and square; modern), sports (archery, badminton, basketball, bowling, fencing, golf, horseback riding, skating, skiing, softball, swimming, tennis, volleyball), and recreation leadership.

Additional instructional classes in seasonal sports are offered during the fall and spring terms. Students may enroll in any of these classes in addition to the two hours required in the regular program. MISS ROWE, MISS OLMSTEAD, MRS. GREENE.

Physical Education for Upperclass Students

While there is no requirement in Physical Education beyond the first year, upperclass students may, within the limitations of available time and space, elect courses from the regular freshman program, and are encouraged to participate in the dance and sports activities sponsored by the Department in cooperation with the Dance Club and the Simmons Recreation Association.

21-0. Physical Education in Physical Therapy I

2 semester hours

Swimming. One hour a week during the first semester. Development of maximum individual proficiency, confidence, and endurance.

Rhythmic Activities. One hour a week during the first semester. Fundamentals of rhythmic movement, methods, and materials in recreational dance—ballroom, folk, and country. Adaptations for the physically handicapped, and practice teaching.

Recreation for the Handicapped. Two hours a week during the second semester. Adapted games and sports, social recreation, and camping for handicapped children and adults. Visits to hospitals and hospital schools. MISS OLMSTEAD, MRS. GREENE, MISS ROWE.

31-0. Physical Education in Physical Therapy II

2 semester hours

**Recreation for the Handicapped.* Two hours a week during the first semester.

Fundamentals of Movement and Corrective Exercise. Two hours a week during the second semester. Development of good body mechanics; principles and techniques of corrective procedures as a foundation for later courses in therapeutic exercise.

†*Swimming for the Handicapped.* One hour a week during the first semester. Methods in adapted swimming strokes for the physically handicapped. MISS ROWE, MISS OLMSTEAD.

*Not offered in junior year after 1963-64.

†Offered beginning 1964-65.

Individual Study

Nearly all departments arrange through individual study courses (numbered 60) to allow a student to concentrate in some field of special interest in which she may do original investigation. These courses are conducted exclusively by individual conferences and reports, and the hours and credits (4 or 8 sem. hrs.) are specifically determined for each student. They are open, with the approval of the chairman of the division in which the course is offered, the director of the school in which the student is registered, and the instructor, to third- or fourth-year students who have maintained a general average of B throughout their college course. A student may register for only one individual study course in any semester.

Courses at the New England Conservatory of Music

Under the provisions of an inter-institutional agreement between the New England Conservatory of Music and Simmons College, duly enrolled students in Simmons College may elect to include in their programs, for full credit, any courses normally offered by the Conservatory, subject to certain specified conditions. A Simmons College student desiring to pursue a course at the Conservatory must be recommended to the Dean of Instruction, by the Director of a School or the Chairman of a Division, or by the Dean in the case of first-year students. The student will then be referred to the Conservatory, which reserves the right to determine whether any prerequisites for the course in question have been met and whether the student is fully qualified to pursue the course elected.

GENERAL INFORMATION

The College Educational Buildings

The major College educational buildings are situated near the southern end of The Fenway, facing the downtown section of Boston. The chief administrative offices and the various instructional facilities are located here.

THE MAIN COLLEGE BUILDING

This structure consists of a central portion completed in 1904, a west wing completed in 1909, and an east wing completed in 1929. It contains the administrative offices, classrooms, laboratories, the College auditorium, and numerous auxiliary facilities.

THE BANCROFT BEATLEY BUILDING

Completed in 1961, this building provides excellent library facilities for students and faculty, including spacious reading and browsing rooms, and complete audio-visual facilities.

LEFAVOUR HALL

Also completed in 1961, Lefavour Hall contains a portion of the library facilities, including the stacks; general classrooms; the offices of the Schools of Library Science and Publication and the specialized instructional facilities for these departments; and student and faculty lounges.

The Library. To supplement instruction in the various courses, the College maintains a working collection of approximately 100,000 volumes, to which important additions are made each year. The book collection is especially strong in basic reference and bibliographical resources. A wide range of periodicals is also available for the use of students in all departments of the College. Outstanding special collections are maintained in the School of Library Science, located on the fourth floor of Lefavour Hall, and at the School of Social Work. A competent professional staff provides instruction in the use of the library and stands ready to assist individual students and members of the faculty in furthering the solution of problems of study and research. The main library is open for use during the evenings and on weekends, when the College

is in session, for the convenience of students and faculty. A student handbook on the College Library, distributed each year during the registration period, contains detailed information on library services and procedures.

In Metropolitan Boston, the student has access to one of the world's great library centers. Through co-operative arrangements with many libraries in the Boston area, Simmons College students may, upon application to the Reference Librarian in the College Library, secure access at these institutions to a variety of highly specialized materials.

Physical Education Facilities. Two rooms on the first floor of the west wing of the main College building are equipped for the Department of Physical Education. The dressing rooms, showers, and lockers are in the basement. Sport fields, with an archery range and tennis courts, are in the rear of the College building.

The Cafeteria. The cafeteria is located in the basement of the west wing of the main College building and is open Monday through Friday when the College is in session.

The Cooperative Store. The Simmons Cooperative Store, in the basement of the east wing of the main College building, is open every weekday except Saturday from eight-thirty to four-thirty. Here students may purchase or order books, stationery, and so forth. At the end of the year the net profits revert to student organizations.

SCHOOL OF SOCIAL WORK

Classes for students in the School of Social Work are held at 51 Commonwealth Avenue, Boston. In this building is the library of the School of Social Work, including the important and valuable collection of books and pamphlets relating to charities which was transferred to the College by the Boston Children's Aid Society.

Residence

All undergraduate students who do not live in their own homes or with immediate relatives are expected to live in the College residence halls. Exceptions to this rule may be made only with the *prior* approval of the Dean and any changes in residence during the college year must also receive her approval *in advance*.

The College residence halls are in Boston about a quarter of a mile from the main building. The campus is bounded by Brookline Avenue, Short Street, and Pilgrim Road.

The group consists of:

Arnold Hall	78 Pilgrim Road
Dix Hall	30 Pilgrim Road
Evans Hall	305 Brookline Avenue
Mesick Hall	285 Brookline Avenue

Morse Hall	275 Brookline Avenue
North Hall	86 Pilgrim Road
Simmons Hall	255 Brookline Avenue
South Hall	321 Brookline Avenue
Hastings House	4 Short Street
Longwood House	46 Pilgrim Road
Pilgrim House	54 Pilgrim Road
Turner House	2 Short Street

Most of the rooms on campus are double rooms; there are a few two-room suites and single rooms in North, South, and Evans Halls. All the rooms in Arnold, Dix, Mesick, Morse, and Simmons Halls are double, as are most of the rooms in the small houses. All students living on campus eat their meals in Barton Hall.* Adjacent to Bartol Hall is Alumnae Hall, which serves as a general social center for student activities.

ROOM FURNISHINGS

The College provides the necessary furniture for all rooms, but does not include rugs or window curtains. The bed is a single couch, three feet wide; pillows are twenty-two inches wide. The student supplies towels, and all her bed linen, including bedspread and blankets. Local arrangements may be made for the rental and laundry of bed linen and blankets.

ASSIGNMENT OF ROOMS

Students already in residence choose their rooms in the spring. Lots are drawn in the order of classes, the juniors having the preference. Rooms are assigned to upperclass students, freshmen, and students entering with advanced standing from other colleges, in that order.

Candidates for admission to the College as resident freshmen make application for rooms after receiving notice of acceptance in April. Notice of room assignment is mailed to the student early in September.

REGULATIONS

The College residence halls are under the general supervision of the Dean, who is represented by the Director of Students on campus, with a Resident Head in each residence hall. The direction of matters of order and conduct is assumed by the Student Government Association, working in close co-operation with the Dean and the Director of Students.

Students may enter the College residence halls the day before registration begins. They will not be admitted earlier than this date, and are expected to leave the day after their final classes or examinations. Exceptions to this rule are made only with the permission of the Dean or the Director of Students. All College halls and houses are closed during the Thanksgiving, Christmas, and spring vacations. Exceptions are sometimes made at Thanksgiving for foreign students and for other students who live at great distances from the College. Arrangements must be made in advance with the Director of Students.

* See Regulations, below.

All students who live on campus are expected to eat their meals in Bartol Hall at the regularly scheduled times. No special dietary arrangements are possible without the authorization of the College Health Office.

FOREIGN STUDENTS

The International Student Association of Greater Boston, of which Simmons College is a member, maintains a Center at 33 Garden Street, Cambridge, Massachusetts, which provides facilities for social and cultural activities for foreign students and their American friends. Activities include teas, lectures, discussion groups, outings, dances, concerts, and hospitality in American homes. Foreign students who arrive in Boston before the College residence halls open may obtain temporary accommodations through the Center.

College and Campus Activities

All student activities at Simmons College are closely correlated with the educational program, so that they contribute to the growth of the student in character, poise, and leadership ability.

ACADEMY

The *Academy* is the honor society of Simmons College. Students of superior attainment may qualify for admission at the beginning or the end of the senior year.

STUDENT ORGANIZATIONS

All students registered in the regular undergraduate programs of the College are automatically members of the Student Government Association. Membership of each student implies her assumption of personal responsibility for upholding the standards of integrity stated in the Honor Code. Students do their own work, write papers, and take examinations without Faculty proctoring. In the social realm, students pledge to obey all campus and social regulations made by Student Government. It is expected that they will conduct themselves in a manner acceptable to the Student Government Association's concept and interpretation of the Honor Spirit.

The student organizations of the College which represent the various activities of the students are: SCOPE, which provides programs of interest to students and all members of the College community, French Club, Glee Club, Chamber Ensemble, International Relations Association, Modern Dance, Outing Club, Simmons Recreation Association, The Drama Society, United States National Student Association, Christian Science Organization, Hillel Foundation, Inter-Varsity Christian Fellowship, Newman Club, and Orthodox Club. In addition to these, there are clubs of professional interest.

STUDENT PUBLICATIONS

In May of each year the senior class publishes the *Microcosm*, which gives information about the senior class, the College faculty, and the various organizations of the students.

The Simmons News is published weekly by the students, and contains information on matters of current interest.

The Simmons Review, a quarterly magazine, is published for both undergraduates and alumnae. Student writing of merit is accepted for publication. The magazine is edited by members of the senior class in the School of Publication.

Essays and Studies, published periodically, consists of distinguished papers written by students in any academic or professional course.

The Simmons College Handbook describes student activities and College mores, and gives general information about the College.

ALUMNAE ASSOCIATION

An organization of over 15,000 former students, both graduates and non-graduates, the Alumnae Association serves and extends the interests of Simmons College. While continuing the spirit of fellowship among its members and strengthening their relations with the College, the Association works for the educational interests of women. The Alumnae Office is located in the main College building. The office of the all-College publication, *The Simmons Review*, is in Lefavour Hall, adjoining the Beatley Library.

Health

It is the purpose of the College to conduct a health program which will result in graduating women physically as well as mentally fit to enter the professions for which they have prepared. Two hours a week of physical education are required of all first-year students, and upperclassmen are encouraged to participate in the activities which interest them. (See page 157.)

No student is permitted to register for a full-time program (twelve semester hours or more) until a satisfactory certificate of health including reports on certain tests and immunizations, for which the College provides forms, is on file with the College physician. A student returning to the College after absence of a semester or more may be required to submit a new health certificate. Good health is important, and any handicap should be mentioned in the application for admission and noted on the health certificate, so that any arrangement for special attention may be made prior to college entrance.

Each young woman who files a health certificate is given a general physical examination by the College physician, or one of her assistants, at the College just before or soon after the beginning of the college year, and whenever thereafter it may seem advisable.*

A student may be refused admission, or required to withdraw from the College if the examination reveals a condition of health which, in the opinion of the College authorities, makes it unwise for her to undertake or continue college work.

The staff of the Health Department includes the Director of Health, two other physicians, a consulting psychiatrist, a roentgenologist, an X-ray and laboratory technician, and resident nurses.

* See page 170.

The College physician holds office hours daily in the main College building, and has general supervision of the infirmary. The Simmons College Infirmary is licensed by the Commonwealth of Massachusetts Division of Hospital Facilities and is a co-operating member of the Massachusetts Hospital Service (Blue Cross). The nurses at the infirmary are directly responsible to the physician.

Minor illnesses are treated by the physician either in her office or in the infirmary, but students whose illness may be severe or prolonged are referred to hospitals or approved physicians in the city. Upon the request of a student's parents, reports of treatments or consultations with the College physician are sent to the family physician. It is requested that parents do not allow students to return to the College at the end of vacations if they have contracted any contagious disease. This includes severe sore throats and any upper respiratory infection in its first three or four days.

The health fee covers a maximum of five days of infirmary care a year, exclusive of medication. Additional infirmary care and any expense for treatment at a hospital or under the care of a consulting physician must be borne by the student or her family, who are if possible consulted in advance.

The College does not provide medicines, but such vaccinations or inoculations as may be required as prerequisites by the school in which the student is registered will be given without extra cost to the student. Students in the medical technology, basic professional nursing, and physical therapy programs are required to have immunization against smallpox, tetanus, diphtheria, typhoid, para-typhoid, and poliomyelitis. Any necessary diagnostic X-ray work will be done at the College with no additional expense to the student. X-ray examinations which require special apparatus cannot be done at the College and the cost of these must be borne by the student. Routine laboratory tests prescribed by the physician will be done without additional charge. An extra charge will be made for special chemistry and diagnostic tests, as they must be done in outside laboratories.

The College bears no responsibility for medical care of students during the summer months.

The College has arranged to co-operate with an insurance company in offering a voluntary accident and sickness insurance plan. In view of the high cost of hospitalization—from about \$24 a day, in an approved Boston hospital, for board and room in a ward to considerably more in a semi-private or private room—students are urged to avail themselves of the protection offered by this insurance if they have no other suitable plan.

As of the academic year 1964-65 this insurance plan will become compulsory for all full-time students.

Degrees and Diplomas

A candidate for a degree or diploma is expected to complete the work of the program in the normal number of college years. When a student enrolled in a program leading to any degree or diploma withdraws for a length of time which would extend the work of the program to a period longer than normal,

the nature and amount of the additional work, if any, to be required for satisfactory completion of the program will be determined by the Faculty upon recommendation of the director of the school concerned.

By vote of the Corporation, any outstanding financial obligation to the College must be discharged before a degree or diploma will be granted.

THE DEGREE OF BACHELOR OF SCIENCE

The requirements for the degree of Bachelor of Science are as follows:

- I. All entrance requirements.
- II. Satisfactory completion of distribution requirements, as follows:
 - a. *English 10* or *11*, or the equivalent.
 - b. Competence in a foreign language, to be demonstrated in one of these several ways:
 1. by successful completion of eight semester hours of foreign language courses on the second-year or intermediate level;
 2. by completion of a foreign language course on the first-year or introductory level with the grade of at least A—;
 3. by passing a proficiency test in a foreign language to be administered at the beginning of the college year and toward the end of each semester;
 4. by an appropriate grade in the foreign language proficiency test of the College Entrance Examination Board.
 - c. Eight semester hours in the Division of Science.
 - d. Eight semester hours in the Division of Social Studies.
 - e. Eight semester hours in literature, the arts, or philosophy. ("Literature" may include advanced courses in foreign language at or above the level of *French 28*, *German 20*, *Spanish 20*, *Russian 20*.*)

III. All the prescribed subjects in some definite four-year or five-year program printed in the catalogue, or in some specific program approved by the director of the school.

IV. Completion of a minimum of 128 semester hours, of which at least 124 must be completed with a passing grade.

V. A quality point average, based on a normal 32-semester-hour program, equivalent to at least 1.67† in each year.

VI. An applicant for the degree must do her final year of work at the College.

THE DEGREE OF BACHELOR OF ARTS

Students in the pregraduate program in the School of Education pursuing a course of study leading to the degree of Bachelor of Arts must satisfy require-

* Such a course will satisfy both this requirement and the language requirement.

† For students who have been in attendance under the previous marking system the following quality point averages will be required in 1963-64: third-year students, 1.7; fourth-year students, 1.71. See MARKS AND VALUATIONS, page 166.

ments I through VI stated for the degree of Bachelor of Science, and must in addition complete satisfactorily the following:

- a. A comprehensive examination during the second semester of the senior year in the student's field of concentration;
- b. A senior thesis in the student's field of concentration.

THE DEGREE OF MASTER OF SCIENCE

The conditions for obtaining the degree of Master of Science are as follows:

1. Every candidate for the degree of Master of Science must hold the degree of Bachelor of Science from Simmons College, or a baccalaureate degree from some other approved institution.
2. The candidate must offer evidence of satisfactory completion of such courses as may be prescribed as prerequisites to the work of the graduate program he or she seeks to enter.
3. The subjects elected must be approved by the Faculty Committee on Programs and Academic Standing, and by the heads of the schools or divisions in which they are taken.
4. Customarily admission to degree candidacy is granted upon the recommendation of the School concerned after the candidate has satisfactorily completed at least 16 semester hours of work in Simmons College and given convincing evidence of professional promise.
5. The candidate must pursue studies at the College for at least one year after receiving the baccalaureate degree. The year's work must be the equivalent of at least 32 semester hours. The fulfillment of all requirements for the degree of Master of Science must demonstrate the candidate's ability to meet a high professional standard. It is understood that a student's connection with the College may be terminated whenever, in the judgment of the Faculty, he or she has failed to show sufficient industry, scholarship, or professional aptitude.

DIPLOMAS

Diplomas are granted to students who complete successfully the one-year programs in Publication, in Business Administration, in Medical Technology, and in Orthoptics, and the year-and-a-half program in Physical Therapy, and who receive a quality rating similar to that required for the baccalaureate degree.

MARKS AND VALUATIONS

The marks which are given each year, based on the class work and on the examinations given at the end of the course, are: A (excellent), B (good), C (fair), D (low), E (failure). The mark of D implies that special conditions regarding dependent courses and graduation may be imposed by the Faculty. In case any such conditions are imposed, both the student and the parents or guardian are notified.

In determining the general quality of a student's work, the following valuations have been established: A = 4, B = 3, C = 2, D = 1.

Administration and Government

ORGANIZATION OF THE COLLEGE

The immediate government of the College is entrusted by the Corporation to the College Faculty, which consists of the President, the Dean, the full-time professors of the various grades, the full-time instructors and lecturers having had three years of full-time experience in college teaching, one year of which has been at Simmons College, and such other members of the staff as the Executive Committee may designate.

At the beginning of each year every student is required to register her proposed schedule of studies. After the first year, the director of the school in which a student is pursuing her professional work has the immediate supervision of her progress and standing and must approve all changes in accepted schedules of studies. A change of school after the first year must have the approval of the Committee on Programs and Academic Standing.

All questions regarding the admission of students and the credit to be given for courses completed at other institutions are determined by the committees of the Faculty on admission and programs.

ATTENDANCE

Attendance is expected at all college classes. Students should understand that if they are absent, for whatever reason, instructors are not obliged to grant requests for supplementary work. A student may be required to withdraw from a course in which her absences have been excessive.

College appointments take precedence over any other engagements, including outside employment. The college schedule of classes and laboratories regularly occupies the hours between eight-thirty and four forty-five from Monday to Friday, inclusive, except on legal holidays; on occasion, attendance may be required at class exercises meeting at other than these regular hours. Should it be necessary the semi-annual examination periods may include Saturdays, in which case attendance at Saturday examinations may be required. In a few programs, after-hour and Saturday classes are scheduled for the convenience of part-time students.

CONDUCT AND SCHOLARSHIP

A student is admitted only on the condition that her connection with the College may terminate whenever, in the judgment of the Faculty, she has failed to show sufficient industry, scholarship, or professional aptitude to justify her relation with the College. A student may be dismissed who does not meet the requirements of conduct and order, or whose behavior is inconsistent with the standards of the College.

WITHDRAWAL

A student who is obliged for any reason to withdraw from the College during the academic year is expected to notify the Dean. Her withdrawal becomes effective on the date on which the College receives written notification from her parents or guardian.

Expenses

The first bill includes one-half of the annual charge (minus the tuition deposit), the residence hall key deposit, the first payment of the comprehensive fee, and the deposits required in certain courses. The second bill includes the remainder of the annual charge, the comprehensive fee, and deposits.

Bills must be paid in advance. Payment of the first bill is due not later than September 27, 1963, and of the second bill not later than January 31, 1964. For fourth-year students in medical technology, the first payment is due by June 21, 1963. Checks should be made payable to Simmons College and presented at the Comptroller's Office.

Those parents who prefer to pay tuition and other fees in monthly installments may contract with Education Funds Incorporated, Providence 3, Rhode Island, for payment of regular charges. One-year, two-year, three-year, and four-year plans are available and include life and permanent disability insurance for the financially responsible parents and life insurance for the student involved. A brochure describing the plans and the extra cost for them as well as an application form will be mailed to all parents during the month of August.

Since commitments for instruction and other arrangements are necessarily made for the full year in advance, no reduction or rebate of charges can be made in cases of extended absence or of withdrawal during the year. The College reserves the right to change any fees at the end of any term should conditions make it necessary.

APPLICATION FEE

A fee of \$15 is required at the time of application. This fee is not returnable and is not applied on any subsequent term bills.

TUITION DEPOSIT

A deposit of \$50 is required of all candidates accepted for admission. After the spring meeting of the Committee on Admission the bill for this deposit is enclosed with the formal notification of the applicant's acceptance. This deposit is credited on the first bill, but it is forfeited if the student does not register for courses during the year for which she is accepted.

A deposit of \$150 is required of all Early Decision Plan candidates whose applications have been favorably passed upon by the Committee on Admission. The deposit must be paid not later than February 15, 1964 if the candidate wishes a place held for her in the entering class. This one hundred fifty dollars will be credited toward the first tuition payment in September. No refund of this deposit is made.

FEES FOR UNDERGRADUATES AND STUDENTS IN DIPLOMA PROGRAMS

Annual fee for full-time programs

For resident students (tuition, room, board)	\$2200
For non-resident students (tuition only)	\$1300

Fees for special full-time programs

School of Science

Final half-year in Physical Therapy

For resident students \$840

For non-resident students \$390

Partial programs (fewer than twelve semester hours per half-year)

\$42 per semester hour

Late registration fee

\$5 for registration after the dates set for the purpose, unless excused by the Dean.

Late change of school fee

\$10 for change of school after the beginning of the semester.

Course change fee

\$2 for each change of course on the student's initiative after the first week of classes.

Make-up examination fee

\$5 for failure to appear at make-up examination, unless fee is waived by the Dean.

RESIDENCE CHARGES

A deposit of \$100 is required before any room can be reserved. Refund of the entire deposit will be mailed within two weeks after Commencement to seniors who have remained in residence until graduation.

New students (freshmen and transfers) receive the bill for this deposit with the formal notification of acceptance for admission. The entire amount of the deposit will be returned if notice is received by the College *on or before July first* that the student does not wish the room. If the room is given up after July first, this deposit will be forfeited. Unless a room is occupied, it is not reserved after the second week of the college year except by special arrangement.

Rooms are reserved *for the entire college year*; students are expected not to leave the residence halls unless they withdraw from the College. (A) If a student withdraws from the residence halls *at the close of the first semester* or at any other time *during the academic year*, the room deposit will be forfeited. (B) If a student withdraws from the residence halls *at the close of any academic year*, the room deposit, entitling her to a room reservation for the following year, will be refunded only if notice is received by the Dean's Office *on or before July first* of that year.

Students who plan to enter the residence halls at the beginning of the second semester are required to pay a \$100 deposit before the room assignment can be made. They should see the Director of Students well in advance of the opening of the semester.

A \$5 key deposit is required of all students living in the residence halls.

A \$3 fee is charged for any change of room after the beginning of the college year.

The residence charge for undergraduates who live in the residence halls during the six-week summer session is \$160. Information regarding accommo-

dations for other summer students is contained in the bulletins issued by the Schools of Library Science, Education, and Home Economics.

COMPREHENSIVE FEE

A comprehensive fee of \$35 per semester is charged to all full-time undergraduate students. This comprehensive fee embraces the student activities fee, which contributes to the support of *The Simmons News*, Student Government Association, the various classes, and other student activities; the health fee; charges for the cost of supplies and materials used in courses; and the graduation fee.

The health fee covers the cost of medical examinations and consultations given by the College physician and her assistants, treatments which may be given by the College nurses, and a maximum of five days of care a year in the College infirmary (with the exception of medications) as advised by the physician. Any infirmary care beyond five days is charged to the student at the rate of \$5 a day. Non-resident students who are confined to the infirmary are charged for their meals at the current rate established by the dining hall management. A fee of \$2.50 is imposed on any student who fails to notify the Health Office if she is unable to meet an appointment made for her physical examination. Simmons College also offers on an optional basis at additional cost Students' Accident and Sickness Reimbursement Insurance. As of the academic year 1964-65 this insurance plan will become compulsory for all full-time students. Information concerning this insurance is made available by the Comptroller.

COURSE FEES

In certain areas students who are not required to pay a comprehensive fee may be charged individual course fees not to exceed \$35 per semester.

DEPOSITS

In the School of Library Science graduate students and seniors in professional courses pay an \$8 deposit to cover incidental expenses, the balance to the credit of any student being returned at the end of the course.

In *Biology 41* and in all chemistry laboratory courses each student is required to purchase a coupon book. Coupons remaining after the final check by the chemistry stockroom may be cashed.

Students enrolled in biology courses will be billed individually for personal breakage of laboratory equipment.

GRADUATE FEES AND DEPOSITS *

Annual fee for non-resident students

For full-time programs \$1100

Partial programs (fewer than twelve semester hours per half-year)

\$35 per semester hour

Summer programs

\$35 per semester hour

* College graduates enrolled in diploma programs see page 168.

Library Science fees

A general fee of \$6 each semester and \$3 each summer is required of all full-time graduate students enrolled in professional courses in Library Science.

A fee of \$2 per course (not to exceed \$6 in any half year) is required of all part-time students enrolled in Library Science courses.

Students registered for *Library Science S204* (Special Library Field Experience) are charged \$90.

Field work fee

\$10 per semester, required of all students in the School of Social Work enrolled in field work.

Thesis work

School of Education

\$35 for supervision of thesis.

School of Social Work

\$75 for supervision during each semester in which the candidate is not enrolled in *Social Work 251*,* or \$37.50 for supervision during the summer months; \$10 reading fee for review of a thesis in final form after end of the summer or semester.

Graduation fee

\$7.50, required of all candidates for the degree of Master of Science or the diploma.

Other course fees and deposits, late registration fee, course change fee, and make-up examination fee

See page 169.

Health fee

\$25, required of all full-time women graduate students except those enrolled in the School of Social Work. For a description of the services covered by the health fee see page 170.

Financial Aid

It is the policy and aim of Simmons College to make its educational opportunities available, through financial aid, to as many as possible promising students who could not otherwise meet the full expense of a Simmons education. In each case sound character and intellectual promise as well as financial need are taken into consideration.

Financial aid is offered in the form of scholarships and loans and may be supplemented by term-time employment after the student has demonstrated her ability to carry college work successfully. (See *Placement*, page 36.) Most awards are made for the college year and may be applied to college charges only.

All students who apply for financial assistance must submit annually accurate evidence of need through the Parents' Confidential Statement of the College Scholarship Service. Information concerning application procedure may be obtained from the Director of Student Financial Aid.

* See page 144.

SCHOLARSHIPS FOR FRESHMEN

FULL-TUITION SCHOLARSHIPS (and some up to a maximum of \$1,800 for one year) are offered in limited number to candidates of excellent ability with financial need who will live in the College residence halls. Continuance of these scholarships beyond the freshman year depends upon the maintenance of acceptable academic standing, good college citizenship, evidence of continued financial need, and *annual* application prior to February first.

FIVE SPECIAL SCHOLARSHIPS are offered in addition to the above and renewed under the same terms:

TWO REGIONAL SCHOLARSHIPS, of \$1,300 for each of four years, for resident students from any state within the United States except those in southern New England and the State of New York.

SIMMONS COLLEGE ALUMNAE ASSOCIATION SCHOLARSHIP of \$1,300 for each of four years, open to either resident or non-resident students.

TWO AGNES M. LINDSAY SCHOLARSHIPS providing \$1,000 for each of four years, for either resident or non-resident students.

SMALLER SCHOLARSHIPS, approximately twenty, (and a few for commuting students through the Simmons College Greater Boston Scholarship Program) range in value from \$300 to \$900 and are open to both resident and non-resident students.

ALUMNAE CLUB SCHOLARSHIPS, ranging from \$100 to \$900, are offered by Simmons Clubs of the following areas, preferably to entering freshmen from the area:

Boston, Massachusetts	Philadelphia, Pennsylvania
Bridgeport, Connecticut	Portland, Maine
Cleveland, Ohio	Rhode Island
Hartford, Connecticut	Rochester, New York
Merrimack Valley, Massachusetts	South Shore, Massachusetts
Long Island, New York	Southern Fairfield County, Connecticut
Middlesex, Massachusetts	Washington, D.C.
New Haven, Connecticut	Wellesley-Needham, Massachusetts
Newton, Massachusetts	Westchester County, New York
North Shore, Massachusetts	Worcester, Massachusetts

NAMED OR ENDOWED SCHOLARSHIPS (see pages 173-174) are in some instances open to freshmen as well as to upperclass students.

* * *

Once a student has completed application for scholarship aid, she is automatically considered for any scholarship for which she is eligible. *It is not necessary to make special application for any one scholarship.*

Although freshman scholarships, with the exception of the Full-Tuition and Special Scholarships, are not automatically renewable, the Scholarship Committee is most favorably disposed toward those students who have been helped in the first year and whose academic achievement, financial need, and college citizenship compare favorably with those of other upperclass applicants.

APPLICATION FOR FRESHMAN SCHOLARSHIPS

Any student wishing to apply for financial aid in her freshman year must complete and file with the appropriate office the following three forms:

1. Application for admission to Simmons College which may be obtained from and filed with the Director of Admission.
2. Application for Simmons College scholarship which will be sent upon request by the Director of Admission and must be returned to the Director of Student Financial Aid.
3. Parents' Confidential Statement, available from the applicant's secondary school, which must be filed with the College Scholarship Service, Box 176, Princeton, New Jersey.

These three forms are due by

November first for early-decision candidates

February first for applicants under the regular admission plan.

Notification of scholarship awards will be mailed, insofar as possible, concurrently with admission decisions.

SCHOLARSHIPS FOR UPPERCLASSMEN

Scholarships for students already enrolled in the College are awarded competitively on the basis of academic achievement and need for financial assistance. Character and college citizenship are also taken into consideration. Awards generally are made for the college year with one-half the assigned amount credited to each semester's bill.

Application for scholarships and other financial aid must be filed with the Director of Student Financial Aid by *February first* of the academic year preceding that for which assistance is desired.

Students transferring from other colleges are eligible for scholarship consideration following the successful completion of at least one semester's work at Simmons.

Named or Endowed Scholarships for Undergraduates

WINIFRED ARMSTRONG SCHOLARSHIP FUND,* for the benefit of a student from Calais, Maine.

SARAH LOUISE ARNOLD MEMORIAL SCHOLARSHIP FUND, established by alumnae and friends of Simmons College, for students entering their senior year in any of the Schools.

SMITH TINKHAM BALKHAM SCHOLARSHIP FUND,* for the benefit of a graduate of Calais Academy, Calais, Maine.

* Open to first-year students.

B. MARION BROWN MEMORIAL FUND SCHOLARSHIP, for a student in the School of Science or for one in the School of Home Economics who is specializing in chemistry.

LILLIAN CLARK BROWN SCHOLARSHIP FUND,* preference being given to a resident of New Britain, Connecticut, in need of financial assistance.

NELLIE PARNEY CARTER SCHOLARSHIP FUND, to be used for maintaining scholarships in the College.

RUTH CHAPMAN MEMORIAL FUND,* for a worthy student from the City of Portland, Maine.

CLASS OF 1910 MEMORIAL SCHOLARSHIP FUND,* to be used for maintaining scholarships in the College.

DOROTHY CLEAVELAND SCHOLARSHIP ENDOWMENT FUND, to be used for maintaining scholarships in the College.

FANNIE F. AND ALICE W. CLEMENT SCHOLARSHIP FUND, for a student in the School of Home Economics.

JANE CONARD SCHOLARSHIP FUND, for students in the School of Home Economics and the School of Library Science.

ISABELLA N. DUNTON SCHOLARSHIP FUND, to be used for maintaining scholarships in the College.

NANCY KITFIELD ELLISON MEMORIAL SCHOLARSHIP FUND, for a student in the School of Nursing.

ALICE IVES GILMAN SCHOLARSHIP FUND, established in memory of the late Miss Gilman, an alumna of the College and a member of the administrative staff.

SARAH E. GUERNSEY D.A.R. SCHOLARSHIP FUND,* established by the Massachusetts Chapter of the Daughters of the American Revolution in honor of Mrs. Sarah E. Guernsey, a former President-General of the National Society; preference to be given to an orphan of an American soldier.

HAYES SCHOLARSHIP FUND, established by Lawrence W. Hayes, for the benefit of a qualified student.

ELEANOR HAYWARD MEMORIAL FUND, for current scholarships.

MARIA HOWARD HILLIARD MEMORIAL FUND SCHOLARSHIP, preferably for a student in the School of Home Economics.

LAVERN AVERILL HODGKINSON SCHOLARSHIP FUND, established by Mr. and Mrs. Harold D. Hodgkinson in memory of his mother.

MRS. JAMES HOLLAND MEMORIAL SCHOLARSHIP, given by the Soroptimist Club of Boston, for a student who has need and who shows promise in the field of publication.

THEODORA KIMBALL HUBBARD SCHOLARSHIP FUND, the income to be used to recognize distinguished scholarship and achievement.

* Open to first-year students.

SARAH ORNE JEWETT SCHOLARSHIP FUND,* contributed by friends of the late Sarah Orne Jewett, preference to be given to a student from Maine.

MARY MORTON KEHEW SCHOLARSHIP FUND,* established as a memorial by the family of the late Mrs. Mary Morton Kehew, for many years a member of the Corporation of Simmons College.

BESS LORING MEMORIAL SCHOLARSHIP FUND,* to be used for maintaining scholarships at the College.

ELLEN F. AND IDA M. MASON SCHOLARSHIP FUND, for needy and deserving students.

MICROCOSM SCHOLARSHIP, provided from funds accumulated by the successive boards of editors of the *Microcosm*.

EMILY BURNS MITCHELL SCHOLARSHIP FUND,* preferably for a graduate of Calais Academy and High School, Calais, Maine.

EVANGELINE HALL MORRIS SCHOLARSHIP FUND, for a student in the School of Nursing.

FRANCES ROLLINS MORSE MEMORIAL SCHOLARSHIP FUND, established by friends of the late Miss Morse, a charter member of the Corporation and for many years a devoted friend of the College and its students. It is awarded to the applicant in the senior class who is regarded as most worthy of recognition.

JOSEPHINE FRENCH NICHOLS MEMORIAL SCHOLARSHIP,* established by her husband and the members of the Bridgeport Simmons Club, for current scholarships.

HELEN R. NORTON SCHOLARSHIP FUND, for a student in the Prince School Program in Retailing.

EMERETTE O. PATCH FUND,* preference being given to applicants who are graduates of the Girls' High School of Boston, or who are graduates of the High School of Lexington, Massachusetts, provided that each applicant from the last-named school shall, at the time of her application, have resided in Lexington for not less than five years immediately preceding.

FLORENCE STINCHFIELD PATCH FUND,* preference to be given to graduates of the High School of Lexington, Massachusetts, provided that each applicant shall, at the time of her application, have resided in Lexington for not less than five years immediately preceding.

JOHN C. AND HARRIET W. PHILLIPS FUND, to be used for maintaining scholarships in the College.

ANNIS M. RIDEOUT SCHOLARSHIP FUND, for needy students.

PHYLLIS DAWSON ROWE MEMORIAL SCHOLARSHIP FUND, for a superior student majoring in dietetics, preferably a junior, in the School of Home Economics.

MRS. WINTHROP SARGENT SCHOLARSHIP FUND, established in memory of the late Mrs. Winthrop Sargent of Boston, for the benefit of students in the School of Home Economics.

* Open to first-year students.

SEALTEST FOODS SCHOLARSHIP, for juniors in the School of Home Economics who need financial assistance for residence in Home Management House.

SEWALL SCHOLARSHIP FUND, derived from the accumulated fund of the former Boston Cooking School Corporation and available for students in the School of Home Economics.

MIRIAM FRANC SKIRBALL SCHOLARSHIP FUND, established by friends in memory of the late Mrs. Skirball, a former instructor in the Department of English, to be awarded annually with the advice of the Director of the School of Publication.

CAROLINE T. SLATER SCHOLARSHIP FUND, a gift of the trustees of the Andrew C. Slater Fund, preference to be given to a student from Massachusetts.

DOROTHY SPAULDING SCHOLARSHIP FUND,* preference to be given to a graduate of Potter Academy, in Sebago, Maine.

KATHARINE LENT STEVENSON SCHOLARSHIP FUND,* for the benefit of a member of the Woman's Christian Temperance Union, which reserves the right to appoint or approve recipients of the scholarship.

MARY BOSWORTH STOCKING FUND, preferably for a student in the School of Home Economics.

STUDENT AID FUND, to aid needy and deserving students.

SUTTER MEMORIAL SCHOLARSHIP FUND,* established in memory of the late Emma M. Sutter.

MAY ALDEN WARD MEMORIAL SCHOLARSHIP FUND, established by various organizations and individuals in memory of the late Mrs. May Alden Ward, preference to be given to a Massachusetts student.

HELEN H. WHITE SCHOLARSHIP FUND, to aid needy and deserving students.

AMASA J. WHITING SCHOLARSHIP FUND, to assist in the payment of the tuition of a qualified student.

WOMEN'S SCHOLARSHIP ASSOCIATION FUND.* Scholarships from this Fund are available for the aid of young women in general and Jewish young women in particular. Applicants must reside within a twenty-five mile radius of Boston. Preference is given to students entering the first-year class. The scholarship is awarded to a candidate recommended by the Women's Scholarship Association. Applications should be sent to Mrs. Robert Masters, 54 Brentwood Avenue, Newton Centre 59, Massachusetts.

HELEN WOOD SCHOLARSHIP FUND, established by the Nurses' Club of Simmons College, to be awarded preferably to a graduate nurse enrolled in the General Nursing Program or to an undergraduate student in the School of Nursing who comes recommended by the Director of that School.

Scholarships for Graduate Students

Scholarships are offered in limited number to students who have been accepted for admission to the graduate programs in Library Science and Social Work. Information concerning these scholarships will be found in the graduate bulletin.

* Open to first-year students.

tins of the respective schools, and application forms may be obtained from the school directors.

LOANS

Simmons College Loans are available from College funds to upperclassmen and are to be applied to college charges only. Repayment is to be made in small monthly installments following the student's graduation or withdrawal from the College. All such loans are subject to interest at the rate of three percent a year on the unpaid principal. Application may be made in the Office of Student Financial Aid.

National Defense Student Loans, from funds provided partly by the Congress of the United States (under the National Defense Education Act of 1958, Title II) and partly by Simmons College, are available to full-time students showing evidence of real need in meeting educational expenses. These are the only loans open to freshman and transfer students in their first year at Simmons College. Information and application forms may be secured in the Office of Student Financial Aid.

HONORS AWARDS

ALUMNAE AWARD FOR ACADEMIC ACHIEVEMENT is given to a senior distinguished as to scholarship who comes recommended by the School in which she is enrolled as the most promising in her chosen field.

ASSOCIATES' PRIZE, for the incoming junior, distinguished as to scholarship, who comes recommended by the School in which she is enrolled as the most promising in her chosen field.

BORDEN AWARD, established by the Borden Company Foundation, Inc., to be awarded to that student majoring in Home Economics who, upon entering her senior year of study, has achieved the highest average grade of all similarly eligible students in all preceding college work. The student's curriculum must have included two or more courses in foods and nutrition.

MARJORY STIMSON HONORS AWARD, established by the Nurses' Club of Simmons College in honor of Miss Stimson, for many years a member of the staff of the School of Nursing. It is awarded in the fall to a student eligible for the bachelor's degree the following June, who is distinguished as to scholarship and comes recommended by the School of Nursing as the most promising in her chosen field.

OTHER AWARDS

ALUMNAE HONOR AWARD is given to the senior who most nearly approximates the ideal Simmons student by combining scholarship, participation in student activities, contribution to college life, and general all-round excellence.

JESSIE BANCROFT COX PRIZE IN PUBLICATION, to the senior who in the judgment of the faculty of the School has demonstrated the greatest professional promise in the field of publication.

DANIELSON MEMORIAL AWARD, awarded in the spring to an outstanding resident junior, to be applied to her residence charges for the senior year.

BEATRICE GANNON AWARD, for the senior in the School of Business Administration with the highest scholastic average.

HODGKINSON ACHIEVEMENT AWARD, to an outstanding member of the graduating class in the Prince School Program in Retailing.

PALMER AWARD, for the student who has the best record and the greatest promise in the field of social studies.

PRINCE SCHOOL FOUNDER'S PRIZE, for the outstanding member of the graduating class in the Prince School Program in Retailing.

ROBERT RANKIN AWARD, for the senior who best displays the qualities of friendliness, understanding, and interest in her fellow men which were evident in Dr. Robert Rankin.

CATHERINE JONES WITTON MEMORIAL AWARD, for the outstanding senior specializing in biology.

Bequests

The Corporation of Simmons College welcomes gifts to be devoted to the general purposes of the College, to permanent endowment, to scholarships, to buildings, or to such other use as the donor may specify. Such gifts may take the form of a memorial to a person whom the donor designates or to the donor himself. Bequests to Simmons College, a charitable educational corporation, are free from whatever inheritance or succession taxes are ordinarily imposed and gifts to the College are not reduced by such taxes.

SUGGESTED FORM FOR SPECIFIC BEQUEST

"I give, devise, and bequeath to Simmons College, a corporation duly established under the laws of Massachusetts, and located in the City of Boston, the sum of dollars, to be applied to the general uses and purposes of said institution."

SUGGESTED FORM FOR RESIDUARY BEQUEST

"I give, devise, and bequeath to Simmons College, a corporation duly established under the laws of Massachusetts, and located in the City of Boston, all the rest, residue, and remainder of my property, real or personal, of which I may die seized or possessed or to which I may be entitled at the time of my decease, to be applied to the general uses and purposes of said institution (or for express separate purposes of the institution such as may be defined in the terms of the will itself)."

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Information

All requests for application forms or for information with regard to the College should be addressed to the DIRECTOR OF ADMISSION, SIMMONS COLLEGE, THE FENWAY, BOSTON 15, MASSACHUSETTS. Copies of other publications of the College are gladly furnished upon request. They include:

SIMMONS AND ITS DISTINCTIVE PLAN

THE GRADUATE BULLETIN OF THE SCHOOL OF LIBRARY SCIENCE

THE BULLETIN OF THE SCHOOL OF SOCIAL WORK

THE ANNOUNCEMENTS OF THE SUMMER SESSIONS

THE ANNOUNCEMENTS OF AFTER-HOUR AND SATURDAY CLASSES

THE REGISTER OF OFFICERS AND STUDENTS

SIMMONS COLLEGE
Boston, Massachusetts 02115

Office of the Registrar

September 1963

CATALOGUE CORRECTIONS

Page 91 Change Chemistry 20-1 at the bottom of the page to Chemistry 31.
Page 92 Omit first line at top of page.

ART 26-1 Change to 26-2.
BUSINESS 64-1 Will not be offered.
68-1 Will not be offered.
CHEMISTRY 47-1 Will not be offered.
COMPARATIVE LITERATURE 83-2 Will not be offered.
ENGLISH 25-1 Change to 25-2.
FRENCH 33-1 Change to 33-1, 2.
HISTORY 36-1 Will not be offered.

HISTORY 39-1 (new course) HISTORIOGRAPHY 4 semester hours
An examination of major western historical writing and the views expressed in these works-the nature of man, theodicy, eschatology, political history and cultural history, progress, organicism, laws of growth and decay, determinism, processes of historical change, historicist morality. Works to be covered include Thucydides, St. Augustine, Condorcet, Herder, Kant, Hegel, Comte, Burckhardt, Marx, Nietzsche, Spengler, and Freud. A paper is required. Mr. Kornberg.

HOME ECONOMICS 26-1 Becomes 26-0.
HOME ECONOMICS 100-1 (graduate course) ADVANCED CLOTHING 4 semester hours
HOME ECONOMICS 147-2 (graduate course) TRENDS IN LABORATORY PLANNING 2 semester hours
HOME ECONOMICS 171-1 (graduate course) CONSUMER BUYING 2 semester hours
HOME ECONOMICS 231-2 (graduate course) ADVANCED NUTRITION 4 semester hours
MATHEMATICS 42-1 Change to 42-1, 2.
MATHEMATICS 45-2 Change to 45-1.

RUSSIAN 30-0 (new course) ADVANCED RUSSIAN 8 semester hours
Intensive advanced work in reading and translation. Miss Mamikonian.

SOCIOLOGY 34-2 Not offered.
SOCIOLOGY 35-1 Will not be offered.

SOCIOLOGY 36-2 (new course) CRIMINOLOGY 4 semester hours
Analysis of juvenile delinquency and adult crime. Consideration of prevention and treatment programs. Mr. Hozid.

SOCIOLOGY 37-1 (new course) URBAN SOCIOLOGY 4 semester hours
The nature and growth of cities will be examined with emphasis on urbanization in the United States. Major attention will be given to urban ecology, urban social organization, and the influence of city living upon personality and social behavior. Mr. Hozid.

SPANISH 42-2 Change to 42-1.

SCHEDULE CHANGE

Psychology 20-1, division 3

353:L308:323

W 2: M 3: F 3

Memorandum From The Department of Mathematics

Copies to: Mr. Timm, Mr. Richardson, Mr. Vernon
Mr. Greene
Mr. Deane

Dear Colleague:

As you undoubtedly are aware, we of the Simmons Mathematics Department have continually endeavored to improve our program and our service to other departments. One factor which has had a decided impact on our program is the constantly rising abilities and preparation of our Freshman class. Prior to 1962-63, all our freshmen who elected a math course started with a preliminary semester of college algebra and trigonometry in preparation for the calculus. Last year we decided to place our better freshmen directly into the calculus. We found that 33 freshmen who elected math were eligible for the course. This year the number has grown to 56 and we have had to run two sessions, while the number of those freshmen who still required a preliminary semester of college algebra and trig has decreased. In addition, 5 or 6 of our freshmen this year came to us with such superior high school preparation that we placed them (usually at their own request) in the sophomore math courses.

In view of these developments we believe the time has come for further revision of the math program. We plan to eliminate entirely the preliminary semester of college algebra and trig, to place all our freshmen math students in the calculus, to revise our paleolithic numbering system so that the new catalogue number will truly reflect the level of the course, and to add two new courses (math 34, Linear Algebra, and Math 35, Complex Variables) so as to give our math majors a choice of two important courses which are more and more frequently being offered at the undergraduate level at other colleges. Our revision of the freshman program will mean that for a while we will have to run two freshman calculus sequences, Math 12 and 13 for students with superior aptitude and high school preparation, and Math 10 and 11 for those with lesser preparation. We anticipate that this distinction will disappear in a few years.

To give you an idea of these changes, the following is the program for math majors in the School of Science which we plan to include in the forthcoming college catalogue (the program for math majors in the School of Education is similar except that fewer courses are required):

Freshman

Math 10-1 (Analytic Geometry
& Calculus I)

Math 11-2 (Analytic Geometry
& Calculus II)

or

Math 12-1 (")

Math 13-2 (")

Sophomore

Math 20-1 (Analytic Geometry
& Calculus III)

Math 21-2 (Finite Mathematics)

Physics II (General Physics)

Junior*for prospective grad students*

Math 30-1 (Differential Equations)

Math 31-2 (Probability & Statistics)

* Math 32-1 (Modern Geometry)

† Math 33-2 (Applied Mathematics)

oror

* Math 34-1 (Linear Algebra)

should be required also

† Math 35-2 (Complex Variables)

Senioror

Math 40-1 (Introductory Modern Algebra)

† Math 41-2 (Numerical Methods)

Math 42-1 (Advanced Calculus I)

Math 43-2 (Advanced Calculus II)

* The student must elect either one of these two courses.
She may also elect the other.

† The student must elect any two of these three courses, preferably one in her junior year and the other in her senior year. She may also elect the third.

I hope that this information will help you in planning possible mathematics requirements in your own departments.

Sincerely,

Frank DeSua

